

## NOTICE OF MEETING

### DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

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

March 16, 2021  
1:30 p.m.

*Iowa Code Section 21.4 requires that each Des Moines Metropolitan Wastewater Reclamation Authority meeting shall be held at a place reasonably accessible to the public and at a time reasonably convenient to the public, unless for good cause such a place or time is impossible or impracticable. Given Section One of the Governor's February 5, 2021 Proclamation strongly encouraging vulnerable Iowans to limit participation in gatherings of any size and any purpose during the COVID19 outbreak and further given Section 108 the Governor's February 5, 2021 Proclamation suspending the regulatory provisions of Iowa Code §§ 21.8, 26.12, and 414.12, or any other statute imposing a requirement to hold a public meeting or hearing, the Des Moines Metropolitan Wastewater Reclamation Authority has determined that a meeting at a physical place is impossible or impracticable and all Technical Committee meetings for the time being will be conducted electronically with the public allowed to attend per the instructions on this agenda. Meeting minutes will continue to be provided per the WRA's normal course of business.*

*The Des Moines Metropolitan Wastewater Reclamation Authority Technical Committee will be participating via the information provided below:*

#### **The public can participate by using the information below REMOTE PARTICIPATION INFORMATION**

Please click this URL to join

<https://dmmwra.webex.com/dmmwra/j.php?MTID=m3db5c3f127325255bd15b6bd1feccaf2>

Meeting Number: 133 682 7455

**or**

Dial: +1 (855) 749-4750

Meeting Number: 133 682 7455

#### **AGENDA**

ITEM 1: Call to Order

ITEM 2: Roll Call

ITEM 3: Minutes for the February 9, 2021 meeting - Approval

ITEM 4: WRF Digester Heat Exchanger Improvements - Recommendation

ITEM 5: Industrial Waste Ordinance – Information

ITEM 6: Contract Status Update – Information

ITEM 7: Other Business

ITEM 8: Adjourn

DES MOINES WASTEWATER RECLAMATION AUTHORITY  
TECHNICAL COMMITTEE

Des Moines Wastewater Reclamation Facility  
3000 Vandalia Road  
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February 9, 2021  
1:30 p.m.

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**MINUTES**

ITEM 1: Call to Order

Shane Kinsey, Committee Chair, called the meeting to order at 1:35 p.m.

ITEM 2: Roll Call

Members in Attendance

Don Clark, Ankeny\*

Roger McFarland, Ankeny\*

John Horton, Bondurant\*

Jeff May, Clive\*

Eugene Schmitt, Des Moines\*

Shane Kinsey, Johnston\*

Wayne Schwartz, Norwalk\*

Gary Patterson, Pleasant Hill\*

Bret VandeLune, Polk County\*

John Larson, Urbandale Windsor Heights Sanitary District\*

Tim Royer, Waukee\*

Brian Hemesath, West Des Moines\*

Larry Hare, WRF\*

Others in Attendance  
James Beck, Operating Contractor  
Scott Hutchens, Operating Contractor  
Roxane Vaughan, Operating Contractor  
Nick Carter, Operating Contractor  
Lindze Pogue, Operating Contractor  
Kyle Wilson, Operating Contractor\*

\* Participated in the meeting via telephone due to the fact that it was impractical or impossible to participate in the meeting in person.

ITEM 3: Minutes for the January 12, 2021 meeting - Approval

Tim Royer made a motion to approve the minutes for the January 12, 2021. Gary Patterson seconded the motion. All in favor. The motion passes.

ITEM 4: WRA Fiscal Year 2022 Capital Improvements Program and WRA Fiscal Year 2022 Operation & Maintenance Budget Summary - Discussion/Recommendation

James Beck noted that there were no changes to the draft CIP that the committee saw last month and Roxane Vaughan gave an overview of the Operations and Maintenance budget summaries provided in the packet

Brian Hemesath made a motion to for recommendation of the WRA Fiscal Year 2020 CIP and O&M Budget Summary. Tim Royer seconded that motion. All in favor. The motion passes.

ITEM 5: Industrial Waste Ordinance – Information

Larry Hare explained that the WRA completed 18 inspections in the month of January. There were 2 requests for exemptions due to physical constraint and both were approved.

ITEM 6: Contract Status Update – Information

James Beck noted that there have not been any major updates in this month's report.

ITEM 7: Other Business

Scott Hutchens added that there was an Executive Committee Meeting held on February 4, 2021 to discuss the Operating Contract and the expiration of the contract as of June 30, 2024. It has been decided by the Executive Committee to create an Organizational Assessment Committee at the February 16, 2021 Board meeting.

Scott Hutchens also detailed that the WRA's biogas project is doing well and that Staff will be meeting with a potential long-term buyer next week.

ITEM 8: Adjourn

Don Clark made a motion to adjourn. Jeff May seconded the motion. Meeting adjourned at 1:48 p.m.

**MEMORANDUM**

March 9, 2021

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Digester Heat Exchanger Improvements – Project Recommendation

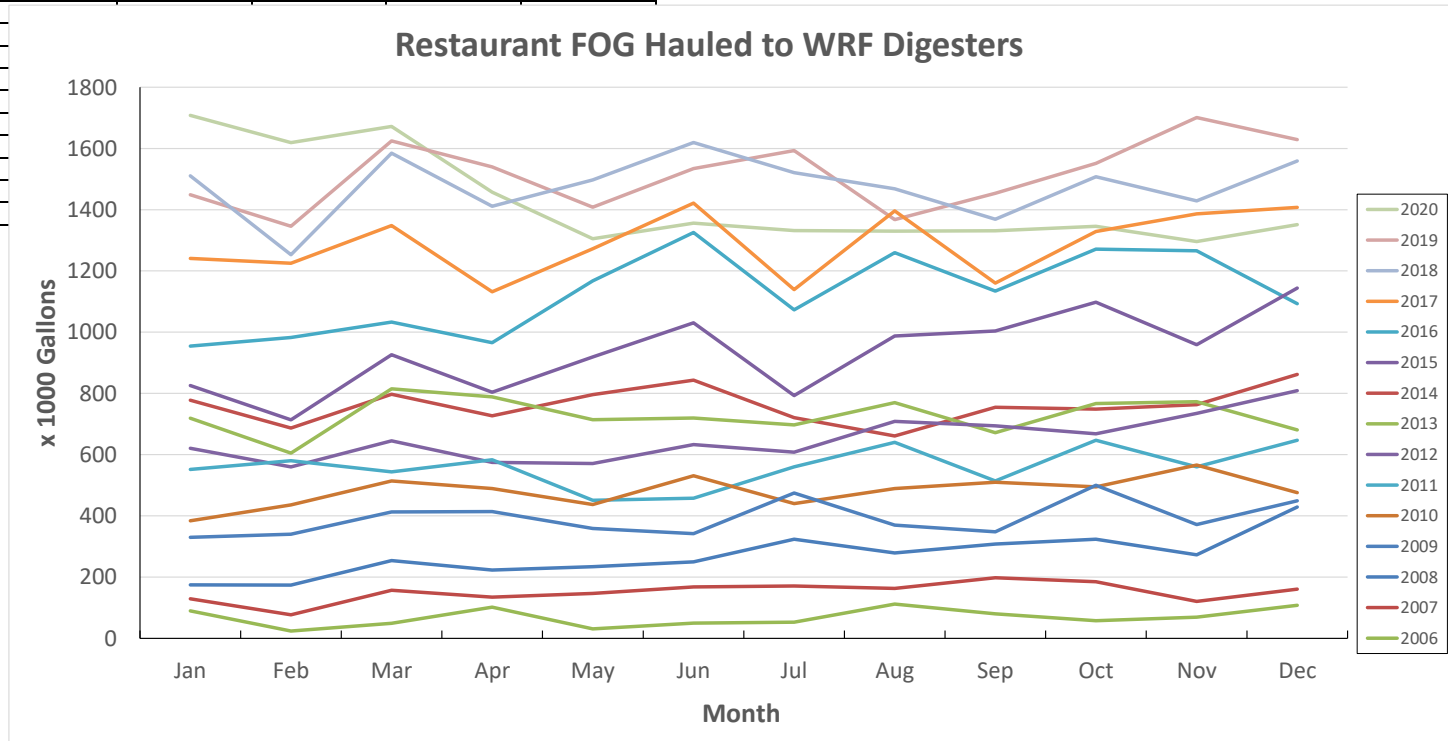
The WRA has three buildings which house digestion equipment for each of the six anaerobic digesters. During construction of the WRF Digester Improvements, two of the six digester heat exchangers were replaced due to their condition. The remaining four of the six digester heat exchangers were left for future replacement. At this time, the condition of the remaining four digester heat exchangers requires replacement as they are over 30 years old. The WRF Digester Heat Exchanger Improvements project includes removal and replacement of four digester sludge heat exchangers, sludge piping, hot water piping, valves, instruments, and other incidental items in Buildings 80-1, 80-2, and 80-3. The project is located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa.

The engineer's estimate for this project is \$926,000.00 and bids for the project are anticipated to be taken on Tuesday, April 6, 2021. The bids will then be presented to the WRA Technical Committee at the April 13, 2021 meeting for review and recommendation to the WRA Board for consideration at the April 20, 2021 meeting. The final completion date for the improvement is not later than January 31, 2022, and the project will be funded with Small CIP funds through project code (WR070).

# Progress Report

Month	Annual Inspections	Follow-Up Inspections	Area of Concentration
January-20	18	4	DSM (Drake, Beaver)
February-20	42	3	DSM (E. Grand), WDM
March-20	17	3	DSM (E. Grand), Clive
April-20	1	1	Complaint response
May-20	0	1	Complaint response
June-20	10	1	Ankeny, WDM, Urb.
July-20	21	9	Clive, DSM, Johnston, Norwalk, Waukee, WDM
August-20	19	1	Clive, DSM, P. Hill, Waukee
September-20	17	2	Ankeny, DSM, WDM
October-20	13	3	DSM, Johnston, Altoona
November-20	20	0	WDM, Windsor Hgts, Waukee
December-20	0	2	Follow-ups
January-21	15	0	Ankeny, DSM, Norwalk
February-21	15	2	Altoona, Clive, DSM

February Exceptions			
Food Service Establishment	Type of Appeal	Municipality	Approval (Y/N)
Dobre Tasting Room, 503 E. Locust	Physical Constraint	Des Moines	Y



MARCH 2021 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

ITEM 6

<b>WRA Eastside Interceptor Gravity Sewer</b>	<b>(WR108)</b>	Consultant		Veenstra & Kimm
		Original Agreement	Design Tasks	\$ 1,748,298.00
		Original Agreement	Right-of-Way Tasks	\$ 246,580.00
		Supplemental Agreement No. 1	Construction Administration Tasks	\$ 2,144,985.00
		Supplemental Agreement No. 2	Additional Design Tasks	\$ 78,494.00
		Supplemental Agreement No. 3	Additional Design and Construction Tasks	\$ 720,343.00
		Supplemental Agreement No. 4	Additional Construction Tasks	\$ 169,774.00
		Supplemental Agreement No. 5	Additional Design and Construction Tasks	\$ 28,161.00
			Completed to Date	\$ 5,106,223.37
			Percent Complete	99.4%
<b>WRA Eastside Interceptor Force Main &amp; Pump Station</b>	<b>(WR108)</b>	Consultant		HR Green
		Original Agreement	Design Tasks	\$ 1,155,000.00
		Supplemental Agreement No. 1	Construction Administration Tasks	\$ 1,517,550.00
		Supplemental Agreement No. 2	Additional Tasks due to USACOE	\$ 77,000.00
		Supplemental Agreement No. 3	Additional Construction Phase Services	\$ 95,000.00
			Completed to Date	\$ 2,786,376.91
			Percent Complete	98.0%
<b>WRA Eastside Interceptor Materials Testing</b>	<b>(WR108)</b>	Consultant		Team Services
		Original Agreement	Materials Testing	\$ 54,999.52
			Completed to Date	\$ 48,035.49
			Percent Complete	87.3%
<b>WRF Grit Removal Improvements</b>	<b>(WR111)</b>	Consultant		Fox Engineering
		Original Agreement	Evaluation Tasks	\$ 249,000.00
		Supplemental Agreement No. 1	Design Tasks	\$ 890,000.00
		Supplemental Agreement No. 2	Bidding and Construction Tasks	\$ 1,081,053.00
			Completed to Date	\$ 2,186,418.26
			Percent Complete	98.5%
<b>WRF Grit Removal - Special Inspection Services</b>	<b>(WR111)</b>	Consultant		Team Services
		Original Agreement	Special Inspection Services	\$ 16,875.02
			Completed to Date	\$ 6,651.87
			Percent Complete	39.4%
<b>WRA Biogas Conditioning &amp; Injection</b>	<b>(WR102)</b>	Consultant		CDM Smith
		Original Agreement	Evaluation and Design Tasks	\$ 750,000.00
		Supplemental Agreement No. 1	Additional Design, Bidding, and Construction Tasks	\$ 1,753,512.00
			Completed to Date	\$ 2,499,373.10
			Percent Complete	99.8%
<b>WRA Biogas Conditioning Regulatory Assistance</b>	<b>(WR102)</b>	Consultant		EcoEngineers
		Original Agreement	Regulatory Assistance and Contract Tasks	\$ 166,985.00
			Completed to Date	\$ 164,354.03
			Percent Complete	98.4%
<b>WRA Biogas Conditioning - Special Inspection Services</b>	<b>(WR102)</b>	Consultant		Terracon
		Original Agreement	Special Inspection Services	\$ 15,992.00
			Completed to Date	\$ 15,199.75
			Percent Complete	95.0%
<b>WRA Biogas Conditioning - Welding Inspection Services</b>	<b>(WR102)</b>	Consultant		Olsson, Inc.
		Original Agreement	Special Inspection Services	\$ 24,000.00
		Supplemental Agreement No. 1	Additional Special Inspection Services	\$ 5,000.00
			Completed to Date	\$ 27,001.25
			Percent Complete	93.1%
<b>WRA Ingersoll Run Outlet Sewer</b>	<b>(WR088)</b>	Consultant		Veenstra & Kimm
		Original Agreement	Design Tasks	\$ 724,064.00
		Original Agreement	Right-of-Way Tasks	\$ 84,860.00
			Completed to Date	\$ 399,005.30
			Percent Complete	49.3%
<b>WRF Phosphorus Recovery Facility</b>	<b>(WR112)</b>	Consultant		HDR Engineering
		Original Agreement	Study and Design Tasks	\$ 1,684,245.00
		Supplemental Agreement No. 1	Aeration Evaluation Tasks	\$ 66,800.00
			Completed to Date	\$ 680,122.85
			Percent Complete	38.8%
<b>WRF Clarifier Improvements</b>	<b>(WR115)</b>	Consultant		HDR Engineering
		Original Agreement	Design Tasks	\$ 585,500.00
		Supplemental Agreement No. 1	Additional Design Tasks	\$ 76,695.00
		Supplemental Agreement No. 2	Additional Design, Bidding, and Construction Tasks	\$ 562,000.00
			Completed to Date	\$ 806,077.37
			Percent Complete	65.8%
<b>WRF Trickling Filter Removal</b>	<b>(WR119)</b>	Consultant		HR Green
		Original Agreement	Design and Bidding Tasks	\$ 98,200.00
		Supplemental Agreement No. 1	Additional Design, Bidding, and Construction Tasks	\$ 95,500.00
		Supplemental Agreement No. 2	Additional Construction Tasks	\$ 34,453.58
		Supplemental Agreement No. 3	Construction Tasks for Phase 2	\$ 161,018.00
			Completed to Date	\$ 348,019.55
			Percent Complete	89.4%



**MARCH 2021 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS**

<b>WRA Sewer Lining Phase 1 and 2</b>	<b>(WR113)</b>	Consultant		Snyder & Associates
	Original Agreement	Design Tasks	\$ 154,900.00	
		Construction Phase Tasks	\$ 486,500.00	
		Completed to Date	\$ 409,014.20	
		Percent Complete		63.8%
<b>WRA Sugar Creek Sponsored Project Improvements - Phase 1</b>	<b>(WR117)</b>	Consultant		Snyder & Associates
	Original Agreement	Design, ROW, Bidding, and Construction Tasks	\$ 249,900.00	
		Completed to Date	\$ 246,358.05	
		Percent Complete		98.6%
<b>WRA Fourmile Creek Streambank Stabilization Sponsored Project</b>	<b>(WR109)</b>	Consultant		Snyder & Associates
	Original Agreement	Design, ROW, Bidding, and Construction Tasks	\$ 220,950.00	
	Supplemental Agreement No. 1	Additional Design and Construction Services	\$ 395,400.00	
	Supplemental Agreement No. 2	Additional Design Services	\$ 40,400.00	
		Completed to Date	\$ 516,740.16	
		Percent Complete		78.7%
<b>WRA Facility Planning Services FY 2020</b>	<b>(WR069)</b>	Consultant		Veenstra & Kimm
	Original Agreement	General Engineering Services	\$ 80,000.00	
		Completed to Date	\$ 75,576.66	
		Percent Complete		94.5%
<b>WRA Material Testing Services</b>	<b>(WR098)</b>	Consultant		Team Services
	Original Agreement	Materials Testing Services	\$ 40,750.00	
	Supplemental Agreement No. 1	Additional Materials Testing Services	\$ 59,124.00	
		Completed to Date	\$ 98,943.87	
		Percent Complete		99.1%
<b>WRA Collection System Evaluation</b>	<b>(WR091)</b>	Consultant		Veenstra & Kimm
	Original Agreement	Evaluation Services	\$ 16,300.00	
		Completed to Date	\$ 13,654.00	
		Percent Complete		83.8%
<b>WRF Building 91 HVAC Improvements</b>	<b>(WR118)</b>	Consultant		HR Green, Inc.
	Original Agreement	Design and Bidding Services	\$ 94,700.00	
	Supplemental Agreement No. 1	Construction Phase Services	\$ 64,940.00	
		Completed to Date	\$ 153,905.94	
		Percent Complete		96.4%
<b>WRF Building 05 HVAC Improvements</b>	<b>(WR118)</b>	Consultant		HR Green, Inc.
	Original Agreement	Design and Bidding Services	\$ 86,900.00	
	Supplemental Agreement No. 1	Construction Phase Services	\$ 82,950.00	
		Completed to Date	\$ 126,142.48	
		Percent Complete		74.3%
<b>WRA West Des Moines Outfall Sheetpile Repairs</b>	<b>(WR120)</b>	Consultant		Veenstra & Kimm
	Original Agreement	Design and Construction Services	\$ 63,000.00	
		Completed to Date	\$ 55,390.79	
		Percent Complete		87.9%
<b>WRA Birdland Pump Station Improvements</b>	<b>(WR122)</b>	Consultant		HR Green Inc.
	Original Agreement	Investigation and Conceptual Design	\$ 175,000.00	
		Completed to Date	\$ 94,313.50	
		Percent Complete		53.9%
<b>WRF Site Access and Security Improvements</b>	<b>(WR121)</b>	Consultant		HDR Engineering
	Original Agreement	Design	\$ 504,650.00	
		Completed to Date	\$ 235,684.69	
		Percent Complete		46.7%
<b>WRF Flood Improvements</b>	<b>(WR105)</b>	Consultant		HDR Engineering
	Original Agreement	Alternatives Development	\$ 212,354.00	
	Supplemental Agreement No. 1	Design Services	\$ 776,700.00	
	Supplemental Agreement No. 2	Additional Design Services	\$ 99,947.00	
	Supplemental Agreement No. 3	Bidding and Construction Services	\$ 1,089,362.00	
		Completed to Date	\$ 1,310,255.74	
		Percent Complete		60.1%
<b>WRA Flow Monitoring System Evaluation</b>	<b>(WR091)</b>	Consultant		Veenstra & Kimm
	Original Agreement	Study	\$ 25,506.00	
		Completed to Date	\$ 14,116.00	
		Percent Complete		55.3%
<b>WRA Southern Tier Interceptor, Phase 10, Segment 24</b>	<b>(WR107)</b>	Consultant		Veenstra & Kimm
	Original Agreement	Design, Right-of-Way, and Construction Services	\$ 247,000.00	
		Completed to Date	\$ 42,803.32	
		Percent Complete		17.3%
<b>WRF Clarifier Phase 1 Improvements - Special Inspection Services</b>	<b>(WR115)</b>	Consultant		Terracon
	Original Agreement	Special Inspections	\$ 20,000.00	
		Completed to Date	\$ -	
		Percent Complete		0.0%

**MARCH 2021 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS**

<b>WRF Flood Improvements - Special Inspection Services</b>	<b>(WR105)</b>	Consultant		Terracon
	Original Agreement	Special Inspections	\$	30,000.00
		Completed to Date	\$	9,726.25
		Percent Complete		32.4%
<b>WRF Trickling Filter Removal, Phase 2 - Special Inspection Services</b>	<b>(WR119)</b>	Consultant		Terracon
	Original Agreement	Special Inspections	\$	45,000.00
		Completed to Date	\$	32,012.80
		Percent Complete		71.1%
<b>WRF Digester No. 3 Structural Evaluation</b>	<b>(WR074)</b>	Consultant		HDR Engineering
	Original Agreement	Structural Evaluation	\$	24,071.00
		Completed to Date	\$	10,246.49
		Percent Complete		42.6%
<b>WRF Air Permitting Assistance Fiscal Yr 2021-2022</b>	<b>(WR069)</b>	Consultant		Trinity Consultants
	Original Agreement	Air Permitting Assistance	\$	75,000.00
		Completed to Date	\$	22,260.02
		Percent Complete		29.7%
<b>WRF Engineering Assistance Fiscal Year 2021-2022</b>	<b>(WR116)</b>	Consultant		HR Green
	Original Agreement	Multi-Disipline Engineering Assistance	\$	95,000.00
		Completed to Date	\$	21,118.55
		Percent Complete		22.2%
<b>WRA Industrial Rate Study 2020</b>	<b>(WR091)</b>	Consultant		Black & Veatch
	Original Agreement	Industrial Rate Study	\$	98,810.00
		Completed to Date	\$	15,804.25
		Percent Complete		16.0%
<b>WRF Building 05 Raw Pump Study</b>	<b>(WR091)</b>	Consultant		HDR Engineering
	Original Agreement	Main Pump Study	\$	69,715.00
		Completed to Date	\$	-
		Percent Complete		0.0%
<b>WRF Blended Sludge Mixer Improvements</b>	<b>(WR110)</b>	Consultant		HR Green
	Original Agreement	Design and Bidding Services	\$	77,715.00
		Completed to Date	\$	-
		Percent Complete		0.0%
<b>WRA General Facility Planning Services</b>	<b>(WR069)</b>	Consultant		Veenstra & Kimm
	Original Agreement	Design and Bidding Services	\$	90,000.00
		Completed to Date	\$	-
		Percent Complete		0.0%
<b>WRA Renewable Natural Gas Offtake Assistance</b>	<b>(WR102)</b>	Consultant		EcoEngineers
	Original Agreement	Design and Bidding Services	\$	75,000.00
		Completed to Date	\$	-
		Percent Complete		0.0%
<b>WRF Aeration Basin Sensor Improvements</b>	<b>(WR068)</b>	Consultant		HR Green
	Original Agreement	Design and Bidding Services	\$	78,000.00
		Completed to Date	\$	-
		Percent Complete		0.0%

# MARCH 2021 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

<b>WRA Eastside Interceptor, Phase 27, Segment 3</b>	<b>(WR108)</b>	General Contractor	SM Hentges & Sons
The improvement includes construction of sanitary sewer, storm sewer, water main and paving, including all labor, materials and equipment necessary for excavation and backfill of approximately 4,720 feet of 66-inch sanitary sewer in open cut, 718 feet of 66-inch sanitary sewer in trenchless construction, manholes, special structures, storm sewer, water main, paving removal and replacement, traffic control, erosion control and miscellaneous associated work, including cleanup located on East 22nd Street from Logan Street to Walnut Street, Walnut Street from East 26th Street to East 22nd Street and East 22nd Street from Walnut Street to Ankeny Avenue in Des Moines, Iowa		Contract Amount	\$8,836,811.51
		Change Orders to Date	\$123,650.41
		Completed to Date	\$8,689,718.98
		Percent Complete	97.0%
<b>WRA Eastside Interceptor, Phase 27, Segment 5</b>	<b>(WR108)</b>	General Contractor	SM Hentges & Sons
The improvement includes construction of sanitary sewer, storm sewer, water main and paving, including all labor, materials and equipment necessary for excavation and backfill of approximately 7,124 feet of 54-inch through 66-inch sanitary sewer in open cut, approximately 1,328 feet of 66-inch sanitary sewer in trenchless construction, manholes, special structures, storm sewer, water main, paving removal and replacement, traffic control, erosion control and miscellaneous associated work, including cleanup located along Wayne Street south of Cleveland Avenue, Cleveland Avenue from Wayne Street to E. 16th Street, E. 16th Street from Cleveland Avenue to E. Washington Avenue, E. Washington Avenue from E. 16th Street to York Street, York Street from E. Washington Avenue to E. Jefferson Avenue, and E. Jefferson Avenue from York Street to west of E. 9th Street, all in Des Moines, Iowa		Contract Amount	\$13,165,520.62
		Change Orders to Date	\$1,303,967.31
		Completed to Date	\$13,737,827.69
		Percent Complete	94.9%
<b>WRA Eastside Interceptor, Phase 27, Segment 8</b>	<b>(WR108)</b>	General Contractor	Story Construction
The improvement includes all labor, materials and equipment for the construction of improvements for a high flow pump station, screen building, valve vault and modifications to the existing equalization basin and Westside Pump Station including site work, yard piping, levee construction, demolition, excavation, dewatering, foundation systems, cast-in-place concrete, structure and building construction, equipment installation, process piping, mechanical, electrical and controls, rehabilitation and miscellaneous associated work, including cleanup located at 1301 Prospect Road, Des Moines, Iowa		Contract Amount	\$14,195,000.00
		Change Orders to Date	\$168,289.00
		Completed to Date	\$13,840,327.63
		Percent Complete	96.4%
<b>WRA Biogas Conditioning &amp; Injection Improvements</b>	<b>(WR102)</b>	General Contractor	Shank Constructors
The improvement includes infrastructure modifications to the existing digester gas system, including installation of a pressure swing adsorption (PSA) system in existing Building 75 to purify the digester gas and equipment, and to inject the purified gas into a nearby existing natural gas main pipe. Also includes building improvements to meet current code requirements, piping, gas conditioning equipment, HVAC and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work, and cleanup located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa		Contract Amount	\$15,036,400.00
		Change Orders to Date	\$555,788.00
		Completed to Date	\$15,335,253.00
		Percent Complete	98.4%
<b>WRF Grit Removal Improvements</b>	<b>(WR111)</b>	General Contractor	Dean Snyder Construction
The improvement includes infrastructure modifications to the existing grit removal system, including phased demolition of the existing aerated grit removal tanks, modifications to existing buildings No. 12 and No. 14 and construction of new building No. 10. The major modifications in buildings 12 and 14 include removal and replacement of existing grit washing and handling equipment, pipe work and blower installation. The new building 10 work includes installation of a primary influent bypass channel, stacked tray grit removal system, new grit pump room, electrical room and grit conveyance piping, site work, and utility relocation. All areas will include HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work, and cleanup located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa		Contract Amount	\$12,515,000.00
		Change Orders to Date	\$911,082.68
		Completed to Date	\$10,013,244.30
		Percent Complete	74.6%
<b>WRA Four Mile Creek Improvements - North of Euclid</b>	<b>(WR109)</b>	General Contractor	RW Excavating Solutions
The improvement includes restoration and stabilization of approximately 4,800 feet of streambank including earthwork, stone rip-rap, seeding, erosion control, pedestrian trail segment removal/replacement, surface restoration, and necessary materials, equipment, labor, miscellaneous associated work, and cleanup located along Fourmile Creek, north of Euclid Avenue, Des Moines, Iowa		Contract Amount	\$929,949.00
		Change Orders to Date	-\$124,209.74
		Completed to Date	\$787,183.38
		Percent Complete	97.7%
<b>WRA Sewer Lining - Phase 1</b>	<b>(WR113)</b>	General Contractor	Spiniello Companies
The improvement includes two divisions of work. Division I work includes approximately 3,936 linear feet of sewer and is located from S.E. 1st Street parallel to the Raccoon River to just west of S.W. 9th Street. Division II work includes approximately 3,731 linear feet of sewer and continues to the west paralleling the Raccoon River from the begin point of Division I near S.W. 9th Street to the last sewer structure before the sewer alignment orientation changes north near S.W. 16th Street. Work consists of trenchless sanitary sewer rehabilitation of existing 78-inch Reinforced Concrete Pipe (RCP), trenchless sanitary sewer structure rehabilitation, sewage bypass, sewer cleaning and debris disposal, visual inspection, replacement of aluminum hatches and sluice gates, traffic control, surface restoration, and other incidental items.		Contract Amount	\$7,863,300.00
		Change Orders to Date	\$37,138.79
		Completed to Date	\$7,618,087.34
		Percent Complete	96.4%
<b>WRA Sugar Creek Sponsored Project Improvements - Phase 1</b>	<b>(WR117)</b>	General Contractor	RW Excavating, LC
The improvement includes restoration and stabilization of approximately 3,300 feet of streambank including earthwork, stone rip-rap, seeding, erosion control, storm sewer adjustments, surface restoration, and necessary materials, equipment, labor, miscellaneous association work, and cleanup; all in accordance with the contract document. The project is located along Sugar Creek between Booneville Road and Stagecoach Road in West Des Moines, Iowa		Contract Amount	\$1,973,926.00
		Change Orders to Date	\$0.00
		Completed to Date	\$1,626,209.75
		Percent Complete	82.4%
<b>WRF Trickling Filter Removal - Phase 2</b>	<b>(WR119)</b>	General Contractor	S.M. Hentges & Sons
The improvement includes phased partial removal of three existing trickling filters, rock filter media, and associated piping and utilities, sitework grading, removal and replacement of a packaged sanitary sewer lift station, concrete paving, sidewalk, and all necessary materials, equipment, labor, miscellaneous associated work, and cleanup.		Contract Amount	\$1,349,810.00
		Change Orders to Date	\$29,787.91
		Completed to Date	\$1,275,797.54
		Percent Complete	92.5%
<b>WRF Building 91 HVAC Improvements</b>	<b>(WR118)</b>	General Contractor	Central Iowa Mechanical
The improvement includes modifications and replacement of existing HVAC air handling units, condensers, controls and related accessories in the Administration Building Number 91, and other incidental items; all in accordance with the contract documents.		Contract Amount	\$709,450.00
		Change Orders to Date	\$111,541.00
		Completed to Date	\$755,912.27
		Percent Complete	92.1%
<b>WRF Clarifier Improvements - Phase 1</b>	<b>(WR118)</b>	General Contractor	Williams Brothers Construction
The improvement includes phased removal and replacement of six primary clarifier mechanisms and rehabilitation of Primary Sludge Pump Buildings No. 20 and 21, including new pumps, piping, HVAC, electrical, controls and associated work. Phased repairs to the existing primary influent channel and removal and replacement of HVAC equipment and primary scum pump controls for Primary Scum Pump Station Buildings No. 26, 27 and 28 are also included. All areas will include HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work, and cleanup; all in accordance with the contract documents.		Contract Amount	\$9,330,000.00
		Change Orders to Date	\$253,813.00
		Completed to Date	\$739,376.01
		Percent Complete	7.7%

## MARCH 2021 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

<p><b>WRF Flood Improvements (WR105)</b></p> <p>The improvement includes phased removal and replacement of existing plant electrical switchgear, construction of a floodwall and new electrical gear around existing Building No. 05, and construction of new Building No. 73. Major modifications around Building No. 05 include utility relocations, electrical transformer replacement and installation of a floodwall with vehicle access gates around the building. New Building No. 73 includes a new pre-engineered metal building to house plant electrical switchgear, natural gas-powered engine electrical generators and new parking lots. The project also includes HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work.</p>	<p>General Contractor Williams Brothers Construction</p> <p>Contract Amount \$15,980,000.00</p> <p>Change Orders to Date \$30,221.00</p> <p>Completed to Date \$1,018,334.08</p> <p>Percent Complete 6.4%</p>
<p><b>WRF Building 05 HVAC Improvements (WR118)</b></p> <p>The improvement includes modifications and replacement of existing HVAC heat recovery unit, makeup air unit, exhaust fans, unit heaters, controls and related accessories in the Preliminary Treatment Building No. 05, and other incidental items; all in accordance with the contract documents.</p>	<p>General Contractor Williams Brothers Construction</p> <p>Contract Amount \$1,040,000.00</p> <p>Change Orders to Date \$15,227.00</p> <p>Completed to Date \$115,426.23</p> <p>Percent Complete 10.9%</p>
<p><b>WRA Southwest Equalization Basin Tank Repair (WR083)</b></p> <p>The improvement includes all labor, materials and equipment necessary for the structural repair of the underground wastewater storage tank at the WRA Southwest Equalization facility including concrete repair, installation of structural steel supports, sealing of concrete tank lid and installation of concrete crack monitoring devices, including site restoration, miscellaneous associated work, and cleanup; all in accordance with the contract documents.</p>	<p>General Contractor Jasper Construction Services, Inc.</p> <p>Contract Amount \$218,856.00</p> <p>Change Orders to Date -\$9,950.00</p> <p>Completed to Date \$101,462.00</p> <p>Percent Complete 48.6%</p>
<p><b>WRF Structure 05 Gate Replacement (WR116)</b></p> <p>The improvement includes phased removal and replacement of an existing sewer control gate within Gate Structure 05, temporary sewer by-pass pumping, all necessary materials, equipment, labor, miscellaneous associated work, and cleanup.</p>	<p>General Contractor Woodruff Construction, LLC</p> <p>Contract Amount \$207,300.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$29,100.00</p> <p>Percent Complete 14.0%</p>