



United States Environmental Protection Agency
Office of Enforcement and Compliance Assurance
DMR-QA Study 42

2022

(This data is collected under the authority of Section 308 of the Clean Water Act.)

NPDES Permittee Data Report Form

Attention: Follow the instructions on the previous page to complete this form and submit data for evaluation.

Due September 9, 2022	NPDES Permit Number (State + 7-digit ID)	Permit Extension								
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">AR</td> <td style="padding: 2px 10px;">0</td> <td style="padding: 2px 10px;">0</td> <td style="padding: 2px 10px;">3</td> <td style="padding: 2px 10px;">3</td> <td style="padding: 2px 10px;">7</td> <td style="padding: 2px 10px;">6</td> <td style="padding: 2px 10px;">6</td> </tr> </table>	AR	0	0	3	3	7	6	6	
AR	0	0	3	3	7	6	6			

Permittee Name
Paragould Light Water & Cable WWTP (PLWC WWTP)

Current Permittee Mailing Address
PO Box 9

City Paragould	State AR	Zip Code 72450
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Phone Number (870) 239-7700	Fax Number (870) 239-7798	E-Mail Address brettb@paragould.com
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Optional: If WP Study was used, list PT Provider name(s):

Optional: IF WP Study was used, list WP Study Number(s):

For DMR-QA Study 42, conducted in 2022, the Permittee ensured that their laboratory(ies) performing the required analyses:

Received PT Samples YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Submitted Complete and Accurate Data by July 15, 2022 YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Received a Graded Report by August 12, 2022 YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
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Certification by Permit Holder or Authorized Representative

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Certifying Official David Romine	Title Environmental Services Manager
Signature 	Date 09/07/2022

Address, phone number and e-mail of certifying official are required if different from above.

Address PO Box 9	Phone Number (870) 239-7723
City Paragould	State AR
Zip Code 72450	E-Mail Address dromine@paragould.com



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DMR-QA Study 42

2022

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Permittee Name Paragould Light Water & Cable WWTP (PLWC WWTP)	NPDES Permit Number (State + 7-digit ID) AR 0033766	Permit Extension
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Identification of all CHEM, MICRO and WET laboratories who performed analyses for this permit

Laboratory Name	Laboratory Address	U.S. EPA Lab Code	Lab Analysis Check box(es) that apply			Lab Type*	State-certified Lab**
			Chem	Micro	WET		
PLWC Laboratory	PO Box 9 Paragould, AR 72450	AR 00957	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	G	<input type="checkbox"/>
Arkansas Analytical	8100 National Drive Little Rock, AR 72209	AR 00030	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

* Lab Types: C = Commercial; F = Federal; G = Local Government; I = Industrial; O = Other; S = State
** See Footnote on page 5 (Frequently Asked Questions) for the current list of states with lab accreditation programs

If you need additional space, please make a copy of this page for additional laboratories.



Chemistry/Microbiology Analyte Checklist

DMR-QA Study 42

2022

Analyte Test	Test Required	Method Number Used (Optional)	Laboratory's Graded Result		Analyte determined by state-certified lab*
			Acceptable	Not Acceptable (Corrective Action Required)	
Microbiology					
E. coli, MF or MPN	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform, MF or MPN	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Coliform, MF or MPN	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trace Metals					
Aluminum	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Antimony	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arsenic	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barium	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Beryllium	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cadmium	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chromium, total	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chromium, hexavalent	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cobalt	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iron	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lead	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manganese	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mercury	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mercury (Low Level)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Molybdenum	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nickel	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Selenium	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Silver	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thallium	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vanadium	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zinc	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demands					
5-day BOD	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5-day Carbonaceous BOD	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COD	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOC	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minerals					
Alkalinity, total (CaCO ₃)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chloride	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fluoride	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardness, total (CaCO ₃)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specific conductance (25°C)	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfate	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Dissolved Solids (180°C)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients					
Ammonia as N	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nitrate as N	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nitrite as N	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Orthophosphate as P	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Kjeldahl-Nitrogen as N	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Phosphorus as P	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Misc. Analytes					
Non-Filterable Residue (TSS)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oil and Grease	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Cyanide	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Phenolics (4-AAP)	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine (Low-Level)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Settleable Solids	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Turbidity	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name David Romine Signature *David Romine* Date 09/07/2022

* See Footnote on page 5

6390 Joyce Drive
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Golden, CO 80403

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Final Report - DMRQA PT
Study: DMRQA42-CHEM

Opening Date: April 15, 2022 - Closing Date: July 15, 2022

Facility: Paragould Light Water & Cable
401 Grant Lane
P.O. Box 9
Paragould, AR 72450
UNITED STATES

Contact: Mr. David Romine, WWTP Operations Mgr
(870) 239-7723
EPA Lab ID: AR00957
NPDES Permit ID: AR0033766

Trace Metals (PT-TM1-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1000	Aluminum			µg/L	3490		3090 - 3840	2910 - 3970	NR
1005	Antimony			µg/L	244		204 - 274	186 - 292	NR
1010	Arsenic			µg/L	131		110 - 153	99.3 - 164	NR
1015	Barium			µg/L	941			800 - 1080	NR
1020	Beryllium			µg/L	285			242 - 327	NR
1030	Cadmium		3111B-2011	µg/L	783	630		666 - 900	Not Acceptable
1040	Chromium		3111B-2011	µg/L	909	762		773 - 1050	Not Acceptable
1050	Cobalt			µg/L	867			737 - 997	NR
1055	Copper		3111B-2011	µg/L	660	593		561 - 759	Acceptable
1070	Iron		3111B-2011	µg/L	3390	3076		2880 - 3890	Acceptable
1075	Lead		3111B-2011	µg/L	747	698		635 - 859	Acceptable
1090	Manganese			µg/L	326			277 - 375	NR
1100	Molybdenum			µg/L	172		153 - 189	144 - 198	NR
1105	Nickel		3111B-2011	µg/L	845	743	761 - 930	743 - 953	Acceptable
1140	Selenium			µg/L	883			751 - 1020	NR
1150	Silver			µg/L	433	384		368 - 498	Acceptable
1165	Thallium		3111B-2011	µg/L	285		246 - 317	228 - 335	NR
1185	Vanadium			µg/L	78.3			66.6 - 90.1	NR
1190	Zinc		3111B-2011	µg/L	835	761		710 - 960	Acceptable

Lot #: 8552-04

**Final Report - DMRQA PT
 Study: DMRQA42-CHEM**

Opening Date: April 15, 2022 - Closing Date: July 15, 2022

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 401 Grant Lane
 P.O. Box 9
 Paragould, AR 72450
 UNITED STATES

Contact: Mr. David Romine, WWTP Operations Mgr
 (870) 239-7723
 EPA Lab ID: AR00957
 NPDES Permit ID: AR0033766

Demand (PT-DEM-DMRQA)							Lot #: 8552-07		
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1530	BOD		5210B-2001	mg/L	71.2	51.5	46.6 - 119	35.9 - 119	Acceptable
1555	CBOD		5210B-2001	mg/L	71.2	51.1	39.1 - 119	27.9 - 119	Acceptable
1565	COD		Hach 8000	mg/L	110	96	92.6 - 124	84.8 - 132	Acceptable
2040	TOC			mg/L	43.6		38.6 - 48.2	36.2 - 50.7	NR
Solids (PT-SOL-DMRQA)							Lot #: 8552-09		
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1955	Total Dissolved Solids at 180° (TFR)			mg/L	650		585 - 715	585 - 715	NR
1960	Non-Filterable Residue (TSS)		2540D-1997	mg/L	72.4	69.0	62.3 - 79.6	58.5 - 81.0	Acceptable
Specific Conductance (PT-COND-DMRQA)							Lot #: 8552-72		
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1810	Specific Conductance (25°C)		2510 SM 21st Ed	µmhos/cm	839	853.6		795 - 923	Acceptable
Nutrients 1 - Simple (PT-NUT1-DMRQA)							Lot #: 8552-10		
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1515	Ammonia as N		4500 NH3 B+E - 1997	mg/L	3.48	4.200	2.92 - 4.10	2.63 - 4.39	Acceptable
1810	Nitrate as N		HACH 10206	mg/L	19.8	18.4	17.6 - 21.9	16.6 - 23.0	Acceptable
1870	Orthophosphate as P			mg/L	3.07			2.61 - 3.53	NR

**Final Report - DMRQA PT
Study: DMRQA42-CHEM**

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NPDES Permit ID: AR0033766

Nutrients 2 - Complex (PT-NUT2-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1795	Total Kjeldahl Nitrogen (TKN)		HACH 10242	mg/L	23.1	23.0	19.2 - 26.2	17.4 - 28.0	Acceptable
1910	Total Phosphorous		HACH 8190	mg/L	5.43	5.4	4.80 - 6.01	4.50 - 6.31	Acceptable

Oil & Grease - 1L (PT-OGR1L-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1803	Oil & Grease		EPA Method 1664	mg/L	48.5	38.7	35.7 - 54.6	31.0 - 59.3	Acceptable

pH (PT-PH-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1900	pH		4500 H-B - 2000	S.U.	7.12	7.13		6.92 - 7.32	Acceptable

Total Cyanide (PT-CN-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1645	Total Cyanide		4500-CN C+E - 1999	mg/L	0.548	0.455		0.356 - 0.740	Acceptable

Phenolics (PT-PHEN-DMRQA)

NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
1905	Total Phenolics (4AAP)		5550 B+D - 2005	mg/L	3.00	3.097	1.31 - 3.30	0.989 - 3.30	Acceptable

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UNITED STATES

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EPA Lab ID: AR00957
NPDES Permit ID: AR0033766

Micro (Fecal, E. Coli & Total) (PT-MIC-DMRQA)

						Lot #: 8554-12			
NELAC Code	Analyte	Method Code	Method Description	Units	Assigned Value	Result	Warning Limits	Acceptance Limits	Evaluation
2530	Fecal Coliform, MF		9222D - 1997	CFU/100 mL	833	955		262 - 2650	Acceptable
2525	E. Coli, MF			CFU/100 mL	693			178 - 2690	NR
2530	Fecal Coliform, MPN			MPN/100 mL	1010			453 - 2240	NR
2500	Total Coliform, MPN			MPN/100 mL	1190			658 - 2140	NR
2525	E. Coli, MPN			MPN/100 mL	1060			627 - 1780	NR

Paragould Light Water & Cable

P.O. Box 9

Paragould, AR 72451

MEMPHIS TN 380

9 SEP 2022 PM

FIRST-CLASS



US POSTAGETM PITNEY BOWES

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0006024843 SEP 09 2022



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