MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

November 30, 2023

EMAIL ONLY

Ameren Missouri-Huster Substation
ATTN: Lisa Meyer, Consulting Environmental Scientist
P.O. Box 66149, MC-602
St. Louis, MO 63166

INSPECTION SAMPLE RESULTS
FINDING OF COMPLIANCE

Dear Lisa Meyer:

On November 3, 2023, a team member from the Missouri Department of Natural Resources conducted an inspection of the Huster Substation, located at 3800 Huster Road, St. Charles, Missouri in St. Charles County. The entity operates under the authority of Missouri State Operating Permit (permit) MO0137642. As part of the inspection, wastewater effluent samples were collected and shipped to the Department's Environmental Services Program for sample analysis. The sample analysis results were not available for inclusion in the inspection report dated November 13, 2023. Please find enclosed a Results of Sample Analyses report for samples collected during the site visit. The results reflect compliance with the effluent limitations.

If you have any questions or would like to schedule a time to meet with a Department team member to discuss compliance requirements, please contact **Christopher Maher** by mail at the Missouri Department of Natural Resources, St. Louis Regional Office, 7545 South Lindbergh Blvd., Suite 210, St. Louis, Missouri 63125; by phone at (314) 416-2960; or by email at DNRSLRO.WPC@dnr.mo.gov.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Josh Willison
Environmental Supervisor

JLW/CCM/bmb

Enclosure

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Environmental Services Program
PO Box 176 Jefferson City MO 65102-0176

Results of Sample Analyses

Report Date: 11/28/2023

Order ID: WO231108002

ADS-NRMAHEC-85

LDPR Code: FEINS

Water Pollution Control Branch
FEINS - Inspection Sampling

Lindsay Boyd
1101 RIVERSIDE DR
JEFFERSON CITY MO 65101

Sample:2318983

Site: Huster Substation
Site Number: MO0137642
Sample Location and Type: Effluent Sample Port

Customer #: 23002109
County: St. Charles

Collected 11/03/23 10:10 by Chris Maher (SLRO)

Nonpotable Water; Grab

Sample Comment: 1st vial of HNO3 added to 500 mL bottle did not lower pH to below 2.0. 2nd vial added at SLRO successfully preserved sample to below 2.0

Analyte	Result	Qualifier(s)
Analysis: 200.7 Metals - Total Recoverable by EPA 200.7		
Iron	5480 µg/L	
Analysis: 8260B - Volatile Organic Analysis by EPA SW-846 8260B		
cis-1,2-Dichloroethene	<1 µg/L	27; ND
Tetrachloroethylene (PCE)	<1 µg/L	27; ND
Trichloroethylene (TCE)	<1 µg/L	27; ND
Vinyl Chloride	<1 µg/L	27; ND
Analysis: Field Conductivity by Standard Methods 2510		
Conductivity (field)	1270 µS/cm	
Analysis: Field Dissolved Oxygen by Standard Methods 4500-O-G		
Dissolved Oxygen (field)	10.28 mg/L	
Analysis: Field pH by EPA 150.1		
pH (field)	7.9 pH	
Analysis: Field Temperature by EPA 170.1		
Temperature (field)	15.2 °C	

Sample:2318984

Site: Huster Substation
Site Number: MO0137642
Sample Location and Type: Outfall #001 (Outfall)

Customer #: 23002110
County: St. Charles

Collected 11/03/23 10:10 by Chris Maher (SLRO)

Nonpotable Water; Grab

Sample Comment: Trip Blank

Analyte	Result	Qualifier(s)
Analysis: 8260B - Volatile Organic Analysis by EPA SW-846 8260B		
cis-1,2-Dichloroethene	<1 µg/L	27; ND
Tetrachloroethylene (PCE)	<1 µg/L	27; ND
Trichloroethylene (TCE)	<1 µg/L	27; ND
Vinyl Chloride	<1 µg/L	27; ND

Sample:2318985

Site: Huster Substation
Site Number: MO0137642
Sample Location and Type: Influent Sample Port

Customer #: 23002111
County: St. Charles

Collected 11/03/23 10:05 by Chris Maher (SLRO)

Nonpotable Water; Grab

Analyte	Result	Qualifier(s)
Analysis: 200.7 Metals – Total Recoverable by EPA 200.7		
Iron	7840 µg/L	

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

Richard Kirsch
Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Data qualifiers used in this report:

27	Sample receipt temperature outside of acceptable range
ND	Not detected at reported value

Units used in this report:

℃	degrees Celsius
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter
mg/L	milligrams per liter
pH	pH units