

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
2/1/21	2/28/21
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	8.14	*****	8.14	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.002	0.002	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	1.6	*****	1.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	10.6	*****	10.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<0.1	*****	<0.1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	10	*****	10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	208	*****	208	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date March 25, 2021	User Phone Number (314)223-4655
------------------------------	-----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
3/1/21	3/31/21
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.57	*****	6.57	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.002	0.001	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	7.9	*****	7.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	35.2	*****	35.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	5.5	*****	5.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	212	*****	212	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date April 12, 2021	User Phone Number (314)223-4655
------------------------------	-----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
4/1/21	4/30/21
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.92	*****	7.92	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.003	0.003	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	7.5	*****	7.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	16.8	*****	16.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	61.9	*****	61.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	32.7	*****	32.7	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	128	*****	128	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**



Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date May 27, 2021	User Phone Number (314)223-4655
------------------------------	---------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
5/1/21	5/31/21
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.03	*****	7.54	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.0032	0.0031	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	47.7	*****	8.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	26.7	*****	12.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	2330	*****	391.67	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	248	*****	41.3	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	100	*****	69	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date June 3, 2021	User Phone Number (314)223-4655
------------------------------	---------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
6/1/21	6/30/21
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	8.91	*****	8.91	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.002	0.002	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	0.0	*****	0.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	8.0	*****	8.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	38	*****	38	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Pilot System only ran for 18 days during June. Pilot has completed and the system is shut down.

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date July 21, 2021	User Phone Number (314)223-4655
------------------------------	----------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
7/1/21	7/31/21
<b>NODI:</b>	<b>AB</b>

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
<b>Flow, process water</b>	****	****	****	****	****	****	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date July 21, 2021	User Phone Number (314)223-4655
------------------------------	----------------------------------	------------------------------------

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
8/1/21	8/31/21
<b>NODI:</b>	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	*****	*****	*****	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	*****	*****	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	*****	*****	*****	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	*****	*****	*****	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	*****	*****	*****	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	*****	*****	*****	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	*****	*****	*****	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date September 1, 2021	User Phone Number (314)223-4655
------------------------------	--------------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
9/1/21	9/30/21
<b>NODI:</b>	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
<b>Flow, process water</b>	****	****	****	****	****	****	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date October 19, 2021	User Phone Number (314)223-4655
------------------------------	-------------------------------------	------------------------------------



State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

Permit Number	Outfall Number
UI0000043	UICM
Monitoring Period	
10/1/21	10/31/21
NODI:	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	****	****	****	****		****	Mgal/d
Mon. Location.: Other Treatment, Process Complete	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date November 15, 2021	User Phone Number (314)223-4655
------------------------------	--------------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
11/1/21	11/30/21
<b>NODI:</b>	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
<b>Flow, process water</b>	****	****	****	****	****	****	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date December 9, 2021	User Phone Number (314)223-4655
------------------------------	-------------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
12/1/21	12/31/21
<b>NODI:</b>	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
<b>Flow, process water</b>	****	****	****	****	****	****	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****.****	Monthly Avg.:Monitoring Required		****.****	****.****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****.****	Monthly Avg.:50		****.****	****.****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****.****	Monthly Avg.:250		****.****	****.****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**



Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date January 10, 2022	User Phone Number (314)223-4655
------------------------------	-------------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
1/1/22	1/31/22
<b>NODI:</b>	C

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	****	****	****	SU	****	****	****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	****:****	Maximum:9.0		****:****	****:****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	****	****	****	****		****	Mgal/d
Mon. Location.: Other Treatment, Process Complete	****:****	****:****	****:****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:6.0		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:10		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:2000		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:15		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:Monitoring Required		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	****	****	****	ug/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:50		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	****	****	****	mg/L	****	****	****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	****:****	Monthly Avg.:250		****:****	****:****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**  
 System did not run

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date February 3, 2022	User Phone Number (314)223-4655
------------------------------	-------------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
2/1/22	2/28/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.65	*****	7.65	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.0133	0.002	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	1.0	*****	1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	31.7	*****	31.7	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	<10.0	*****	<10.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Barbara Miller	<b>Submission Date</b> March 25, 2022	<b>User Phone Number</b> (314)223-4655
-------------------------------------	--	---

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
3/1/22	3/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	5.78	*****	7.46	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.03	0.01	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	7.5	*****	2.28	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	81	*****	60.08	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	11.0	*****	2.75	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	3.4	*****	0.85	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	6.7	*****	1.68	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	6.0	*****	<10.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**  
 During Set up of system, the automatic programming was set to normalize the effluent pH at 7.0. However, this resulted in the addition of acid, which resulted in a low pH. Was changed to normalize the effluent pH to a range from 6 to 9, problem solved.

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date April 8, 2022	User Phone Number (314)223-4655
------------------------------	----------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
4/1/22	4/30/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.81	*****	7.37	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.032	0.007	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	0.7	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	5.4	*****	1.85	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	27.6	*****	14.78	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	28.6	*****	19.65	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	59.4	*****	24.15	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	59	*****	18.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date May 25, 2022	User Phone Number (314)223-4655
------------------------------	---------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
5/1/22	5/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.09	*****	7.46	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.047	0.010	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	10.7	*****	4.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	15.4	*****	8.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	2040.0	*****	823.7	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	255.0	*****	102.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	111	*****	48	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Barbara Miller	<b>Submission Date</b> June 23, 2022	<b>User Phone Number</b> (314)223-4655
-------------------------------------	---	---



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
6/1/22	6/30/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.08	*****	7.59	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.035	0.018	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	16.5	*****	6.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	31.7	*****	6.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	777.0	*****	242.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	87.9	*****	38.1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	210.0	*****	85.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Barbara Miller	Submission Date July 13, 2022	User Phone Number (314)223-4655
------------------------------	----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
7/1/22	7/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.47	*****	7.44	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.040	0.021	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	9.4	*****	5.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	27.6	*****	13.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	4860.0	*****	1348.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	28.4	*****	19.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	186.0	*****	68.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Lisa Meyer	<b>Submission Date</b> August 15, 2022	<b>User Phone Number</b> (314)488-0151
---------------------------------	---	---

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
8/1/22	8/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.81	*****	7.75	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.039	0.017	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	23.0	*****	9.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	32.4	*****	18.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	735.0	*****	205.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<0.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	207.0	*****	95.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	304.0	*****	115.8	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**



Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Lisa Meyer	<b>Submission Date</b> September 23, 2022	<b>User Phone Number</b> (314)488-0151
---------------------------------	--	---

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
9/1/22	9/30/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.34	*****	7.80	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.040	0.033	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	9.2	*****	4.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	22.7	*****	13.3	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	2890.0	*****	747.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	47.9	*****	21.3	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	151.0	*****	81.5	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date October 7, 2022	User Phone Number (314)488-0151
--------------------------	------------------------------------	------------------------------------

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
10/1/22	10/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.50	*****	7.39	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.038	0.030	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	3.6	*****	2.7	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	36.6	*****	20.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	951.0	*****	250.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	80.1	*****	29.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	184.0	*****	104.3	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date November 4, 2022	User Phone Number (314)488-0151
--------------------------	-------------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
11/1/22	11/30/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.5	*****	7.62	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.038	0.027	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	1.5	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	11.1	*****	8.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	505.0	*****	301.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	143.0	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date December 19, 2022	User Phone Number (314)488-0151
--------------------------	--------------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
12/1/22	12/31/22
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.00	*****	7.23	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.044	0.034	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	4.1	*****	2.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	41.5	*****	23.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	67.6	*****	29.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	15.1	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	245	*****	122	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date January 17, 2023	User Phone Number (314)488-0151
--------------------------	-------------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
1/1/23	1/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.19	*****	8.60	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.053	0.034	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	3.9	*****	2.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	39.5	*****	22.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	807	*****	356.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	116	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date February 24, 2023	User Phone Number (314)488-0151
--------------------------	--------------------------------------	------------------------------------



State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
2/1/23	2/28/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.69	*****	7.40	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.051	0.033	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	6.8	*****	3.3	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	49.7	*****	30.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	872	*****	230.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	284	*****	157.5	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date March 17, 2023	User Phone Number (314)488-0151
--------------------------	-----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
3/1/23	3/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.31	*****	7.89	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.054	0.030	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	1.6	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	16.8	*****	10.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	<20	*****	<20	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	99	*****	<50	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Lisa Meyer	<b>Submission Date</b> April 26, 2023	<b>User Phone Number</b> (314)488-0151
---------------------------------	--	---

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
4/1/23	4/30/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Measured When Monitor	6.57	*****	8.62	SU	*****	*****	*****
	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Measured  Frequency: Monthly	*****	*****	*****	*****	0.047	0.029	Mgal/d
	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Monthly	<1	*****	<1	ug/L	*****	*****	*****
	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Monthly	3.9	*****	1.5	ug/L	*****	*****	*****
	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Monthly	36.1	*****	23.9	ug/L	*****	*****	*****
	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Monthly	<20	*****	<20	ug/L	*****	*****	*****
	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>  Mon. Location.: Other Treatment, Process Complete  Sample Type: Grab  Frequency: Monthly	<1	*****	<1	ug/L	*****	*****	*****
	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	100	*****	49.3	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**



Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date May 6, 2023	User Phone Number (314)488-0151
--------------------------	--------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
5/1/23	5/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.94	*****	8.51	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.047	0.029	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	1.9	*****	1.1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	30.1	*****	21.7	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	37.7	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	129	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date June 12, 2023	User Phone Number (314)488-0151
--------------------------	----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
6/1/23	6/30/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.14	*****	7.68	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.043	0.024	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	2.2	*****	1.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	31.6	*****	21.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	33.7	*****	10.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	211	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date July 21, 2023	User Phone Number (314)488-0151
--------------------------	----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
7/1/23	7/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.83	*****	8.44	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.047	0.027	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	3.9	*****	1.8	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	29.8	*****	16.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	24.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	110	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date August 9, 2023	User Phone Number (314)488-0151
--------------------------	-----------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
8/1/23	8/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.23	*****	7.24	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.046	0.035	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	3.0	*****	2.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	51.7	*****	33.3	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	53.6	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1	*****	<1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	32.4	*****	13.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	148	*****	95.5	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

eSignature Lisa Meyer	Submission Date September 28, 2023	User Phone Number (314)488-0151
--------------------------	---------------------------------------	------------------------------------

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
9/1/23	9/30/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.71	*****	8.37	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.048	0.029	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	1.4	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	37.8	*****	23.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	90.5	*****	35.1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	<10	*****	<10	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40	*****	<40	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	205	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Lisa Meyer	<b>Submission Date</b> October 16, 2023	<b>User Phone Number</b> (314)488-0151
---------------------------------	--	---



**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
10/1/23	10/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.77	*****	7.25	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.046	0.032	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	1.7	*****	1.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	37.1	*****	27.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	207.0	*****	75.1	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	<10.0	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	219	*****	<100	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Austin Nieman	<b>Submission Date</b> November 13, 2023	<b>User Phone Number</b> (618)719-4578
------------------------------------	---	---

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
11/1/23	11/30/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	6.57	*****	8.88	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Measured When Monitor	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
<b>Flow, process water</b>	*****	*****	*****	*****	0.045	0.039	Mgal/d
Mon. Location.: Other Treatment, Process Complete Sample Type: Measured Frequency: Monthly	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
<b>Arsenic, total recoverable</b>	2.1	*****	1.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
<b>Barium, total recoverable</b>	39.4	*****	31.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Boron, total recoverable</b>	851.0	*****	269.5	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete Sample Type: Grab Frequency: Monthly	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	13.2	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	156.0	*****	<100.0	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Austin Nieman	<b>Submission Date</b> December 6, 2023	<b>User Phone Number</b> (618)719-4578
------------------------------------	--	---

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
12/1/23	12/31/23
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.32	*****	8.69	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.044	0.041	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	4.2	*****	2.4	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	43.3	*****	28.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	25.5	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Molybdenum (Mo), total recoverable</b>	14.4	*****	<10.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	133.0	*****	59.9	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**



Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Austin Nieman	<b>Submission Date</b> January 8, 2024	<b>User Phone Number</b> (618)719-4578
------------------------------------	---	---

**State of Missouri**  
**Department of Natural Resources**  
**National Pollutant Discharge Elimination System (NPDES)**  
**Discharge Monitoring Report (DMR)**

<b>Permit Number</b>	<b>Outfall Number</b>
UI0000043	UICM
<b>Monitoring Period</b>	
1/1/24	1/31/24
<b>NODI:</b>	*****

Parameters	Reporting Requirements			Unit	Reporting Requirements		Unit
<b>pH</b>	7.18	*****	8.63	SU	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Minimum:6.0	*****:*****	Maximum:9.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Measured When Monitor							
<b>Flow, process water</b>	*****	*****	*****	*****	0.034	0.032	Mgal/d
Mon. Location.: Other Treatment, Process Complete	*****:*****	*****:*****	*****:*****		Daily Max.:Monitoring Required	Monthly Avg.:Monitoring Required	
Sample Type: Measured							
Frequency: Monthly							
<b>Antimony (Sb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:6.0		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Arsenic, total recoverable</b>	2.0	*****	1.6	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:10		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Barium, total recoverable</b>	39.1	*****	29.2	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Boron, total recoverable</b>	<20.0	*****	<20.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:2000		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Lead (Pb), total recoverable</b>	<1.0	*****	<1.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:15		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

State of Missouri  
 Department of Natural Resources  
 National Pollutant Discharge Elimination System (NPDES)  
 Discharge Monitoring Report (DMR)

<b>Molybdenum (Mo), total recoverable</b>	20.3	*****	13.9	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:Monitoring Required		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Selenium (Se), total recoverable</b>	<40.0	*****	<40.0	ug/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:50		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							
<b>Sulfate, total (as SO4)</b>	170.0	*****	92.3	mg/L	*****	*****	*****
Mon. Location.: Other Treatment, Process Complete	Daily Max.:Monitoring Required	*****:*****	Monthly Avg.:250		*****:*****	*****:*****	
Sample Type: Grab							
Frequency: Monthly							

**Comments:**

Ameren Missouri - Rush  
Island Power  
100 Big Hollow Road  
FESTUS, MO, Jefferson

State of Missouri  
Department of Natural Resources  
National Pollutant Discharge Elimination System (NPDES)  
Discharge Monitoring Report (DMR)

St. Louis Regional Office  
7545 South Lindbergh,  
Suite 210  
St. Louis, MO, 63125

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>eSignature</b> Austin Nieman	<b>Submission Date</b> February 5, 2024	<b>User Phone Number</b> (618)719-4578
------------------------------------	--	---