

ALNRC 00025
May 15, 2009

Enclosure K

NPDES reports for each quarter for 2004 through 2008

Enclosure K: Callaway NPDES reports for each quarter for 2004 through 2008

2004	Report Period	Report Months
UOTCR 04-0011	NPDES Monthly Report	February 2004
UOTCR 04-0020	NPDES Monthly Report	May 2004
UOTCR 04-034	NPDES Monthly Report	August 2004
UOTCR 04-042	NPDES Monthly Report	November 2004
2005		
UOTCR 05-011	NPDES Monthly Report	February 2005
UOTCR 05-019	NPDES Monthly Report	May 2005
UOTCR 05-035	NPDES Monthly Report	August 2005
UOTCR 05-042	NPDES Monthly Report	November 2005
2006		
UOTCR 06-009	NPDES Monthly Report	February 2006
UOTCR 06-0021	NPDES Monthly Report	May 2006
UOTCR 06-0030	NPDES Monthly Report	August 2006
UOTCR 06-0037	NPDES Monthly Report	November 2006
2007		
UOTCR 07-0016	NPDES Monthly Report	February 2007
UOTCR 07-0032	NPDES Monthly Report	May 2007

UOTCR 04-0011

March 11, 2004

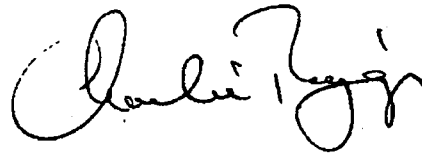
Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for February 2004. Results are noted in comment section of each Outfall.

An exception report was submitted to Missouri Department of Natural Resources for the February 11, 2004, overflow of sanitary water from manhole #4, and its subsequent discharge via storm water runoff Outfall 012.

Please let me know if you have any questions or need additional information.



C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998

TOTAL PAGES 5



00947960

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD (MO/YR) February, 2004
PAGE 1 OF 4

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
1	6	.090	6	193	6.22
2	7	.093	8	326	6.37
4	6	.091	12	115	6.19
5	7	.094	2	100	7.53
7	6	.093	9	66	6.54
13	7	.093	9	63	7.33
18	6	.042	9	122	6.78
20	6	.041	4	459	6.38
23	7	.093	4	106	6.53
24	6	.092	8	213	6.15
27	7	.094	6	75	6.07
29	6	.093	9	65	6.22

PARAMETER	FREQ	LIMITS	
		MONTHLY AVERAGE	DAILY MAX
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

DATE	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
5	1.8	30	2

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) February, 2004
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	SS (mg/l)	TS (mg/l)	TAC (mg/l)	TSG (mg/l)
1	2.0	62	.17	300
2	4.4	63	.09	90
3	0	57	.13	450
4	0	68	*1	*1
5	0	64	.18	510
6	0	58	.14	260
7	0	61	.18	540
8	0	55	*1	*1
9	1.9	58	.02	160
10	0	64	*1	*1
11	0	65	*1	*1
12	0	59	.18	480
13	1.1	62	<.01	80
14	0	48	*1	*1
15	1.0	60	.14	440
16	2.9	62	.17	380
17	3.5	64	<.01	0
18	6.8	70	<.01	50
19	6.3	78	.02	150
20	5.5	72	.07	130
21	8.6	64	.04	800
22	0	68	*1	*1
23	4.6	69	.02	50
24	3.3	67	.02	140
25	8.0	67	<.01	0
26	7.6	70	.01	140
27	4.6	72	<.01	150
28	4.3	74	<.01	140
29	1.8	79	<.01	120

DATE	SS (mg/l)	TS (mg/l)
2	70	2304
9	33	1508
16	63	1402
23	120	1644

DATE	SS (mg/l)	O&G (mg/l)
9	786	
16	686	1.0

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	N.A.
SULFATE	QRTLY (1)	N.A.	N.A.
FREE AVAIL. CHLORINE	DAILY	N.A.	0.2 (mg/l)
TEMPERATURE (MAXIMUM)	DAILY	110 °F	110 °F
pH	CONT.	6.0-9.0	6.0-9.0

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- (1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: *1 Blowdown secured.
 No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD (MO/YR) February, 2004
PAGE 3 OF 4.

NPDES MONITORING REPORT

OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE

OUTFALL 007

DATE	PH	TSS (mg/L)	BOD (mg/L)	COD (mg/L)	TEMP (°F)
20	.005	4	3.2	7.47	

SANITARY WASTE

PARAMETER	FREQ	LIMITS (mg/L)	
		MO/AVG	DAILY/MAX
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0-9.0	6.0-9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	PH	TSS (mg/L)	BOD (mg/L)	COD (mg/L)	TEMP (°F)
20	10	.013	10	2	15	8.43
20	11	.06	20	2	25	7.62
20	12	.005	6	7	18	7.95
20	13	.005	30	2	15	7.88
20	14	.02	10	2	<5	7.91
20	15	.009	5	2	20	8.40

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO/AVG	DAILY/MAX
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	PH	TSS (mg/L)	BOD (mg/L)	COD (mg/L)	TEMP (°F)
12	7.3	12	3	8.04	60

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO/AVG	DAILY/MAX
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0-9.0	6.0-9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) February, 2004

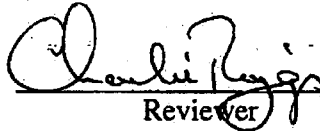
PAGE 4 OF 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Plant Manager

UOTCR 04-020

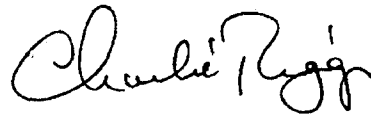
June 8, 2004

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for May 2004. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.

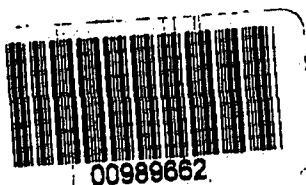


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998



TOTAL PAGES 5

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) May, 2004
 PAGE 1 OF 4

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
3	7	.092	14	388	6.84
5	6	.091	14	8	7.33
8	7	.093	9	270	7.34
12	6	.093	10	66	7.23
20	7	.091	10	22	7.37
22	6	.093	16	310	7.17
24	7	.091	13	30	7.78
28	6	.089	34	35	7.66
30	7	.092	14	217	7.35
31	6	.052	20	189	7.27

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

- SOURCES**
- 1 = WASTE MONITOR TANK A
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 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

DATE	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
3	4.4	0.0	9

COMMENTS:

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) May, 2004
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
18	.013	5	--	7.76
25	--	--	12.4	--

SANITARY WASTE

PARAMETER	FREQ	LIMITS (mg/l)	
		MO/AVG	WEEKLY AVG
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	70	110
BOD	QRTLY *	45	65
pH	QRTLY *	6.0 - 9.0	6.0 - 9.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
20	10	.050	3	2	24	8.18
20	11	.229	39	10	47	7.78
20	12	.018	58	2	19	7.96
29	13	.020	37	6	37	7.64
20	14	.082	35	2	26	8.56
20	15	.033	47	2	24	8.00

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO/AVG	DAILY MAX
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	N.A.	N.A.
COD	QRTLY *	N.A.	N.A.
O and G	QRTLY *	15	20
pH	QRTLY *	>6.0	>6.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (mg/l)
20	2.7	11	1	8.17	<100

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO/AVG	DAILY MAX
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	30	100
O and G	QRTLY *	15	20
pH	QRTLY *	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY *	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) May 2004

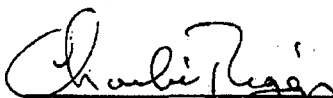
PAGE 4 OF 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved *for*
Plant Manager *www*

UOTCR 04-034

September 13, 2004

Steven S. Weiss
Mail Code 602

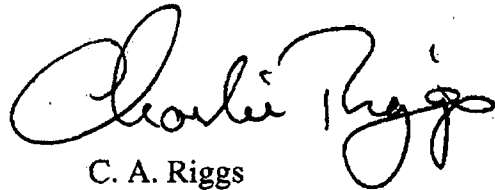
Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for August 2004. Results are noted in comment section of each Outfall.

An exception report was submitted to Missouri Department of Natural Resources for the August 20, 2004, overflow of sanitary water from manhole #4, and its subsequent discharge via storm water runoff Outfall 012.

This report contains the one-time monitoring value, 21 ppb, for monoethanolamine (cas 141-43-5) on Outfall 001.

Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998

TOTAL PAGES 6



00982500

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) August, 2004
 PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
2	6	.092	8	17	6.28
5	7	.093	12	30	6.23
6	6	.091	15	4	6.46
7	7	.092	8	20	6.70
9	6	.091	20	4	7.81
10	7	.093	12	2	8.19
11	6	.091	11	2	8.22
13	7	.092	18	10	7.06
14	6	.092	13	18	6.41
16	7	.094	22	12	6.50
17	6	.092	13	0.5	6.76
18	7	.093	17	25	6.63
20	6	.092	15	13	6.13
21	7	.091	9	4	6.10
23	6	.083	14	14	6.19
26	7	.092	9	3	6.33
27	6	.092	12	28	7.26
28	7	.093	9	7	6.60
29	6	.091	19	10	6.90
31	7	.093	17	63	7.45

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
4	-	100	4
6	63	-	-

COMMENTS: "B" DMT on 08-16-04 contained 21 PPB of ETA.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) August, 2004
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	FAC (mg/l)	TRC (ppb)
1	4	88	<.01	100
2	5.1	86	<.01	30
3	3.1	90	<.01	100
4	2.5	94	<.01	190
5	3.9	88	<.01	70
6	5.3	83	<.01	80
7	4.4	86	<.01	70
8	4.4	88	<.01	100
9	4.2	83	.01	100
10	2.1	85	<.01	150
11	1.7	79	<.01	60
12	2.1	76	<.01	210
13	4.4	78	.02	160
14	3.1	80	.01	70
15	2.9	80	.03	80
16	4.2	82	<.01	<10
17	1.0	83	<.01	20
18	1.0	83	.06	20
19	3.0	82	<.01	20
20	3.2	83	.01	110
21	2.9	83	.01	120
22	3.3	85	.02	70
23	4.3	85	.04	190
24	2.8	84	.02	120
25	3.4	85	.02	90
26	3.5	90	<.01	150
27	2.4	86	.01	80
28	6.3	88	.03	140
29	2.9	84	.02	90
30	3.8	80	<.01	90
31	2.9	84	<.01	100

DATE	TSS (mg/l)	TDS (mg/l)
2	61	2360
9	46	1944
16	46	2072
23	56	2256
30	67	1764

DATE	Sulfate (mg/l)	O&G (mg/l)
2	1400	1.9

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY *	15	20
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	N.A.
SULFATE	QRTLY *	N.A.	N.A.
FREE AVAIL. CHLORINE	DAILY	N.A.	0.2 (mg/l)
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER IOCSR20-7.015.

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No PH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) August, 2004
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
13	.001	10	--	7.08
18	.001	18	16	7.3

SANITARY WASTE

PARAMETER	FREQ	LIMITS (C/F/D)	
		MO.AVG.	WEEK.AVG.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	70	110
BOD	QRTLY *	45	65
pH	QRTLY *	6.0-9.0	6.0-9.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
11	10	.050	6	2	28	8.34
11	11	.229	10	1	30	7.38
11	12	.018	8	0	18	9.36
11	13	.020	41	1	25	8.94
11	14	.082	8	1	23	10.32
11	15	.033	10	1	33	8.10

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO.AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	N.A.	N.A.
COD	QRTLY *	N.A.	N.A.
O and G	QRTLY *	15	20
pH	QRTLY *	>6.0	>6.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
11	2.16	20	2	8.17	90

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO.AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	30	100
O and G	QRTLY *	15	20
pH	QRTLY *	6.0-9.0	6.0-9.0
TRC	QRTLY *	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
 OPERATIONS LABORATORY USING METHODS SPECIFIED
 UNDER 10CSR 20-7.015

COMMENTS: Outfall 016 TRC results on Attachment 1.

Ameren UE Callaway Plant

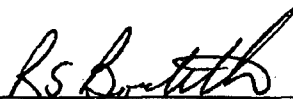
PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) August, 2004

PAGE 4 OF 4

NPDES MONITORING REPORT

"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."


Preparer


Reviewer


Approved
Plant Manager *ANW*

**ATTACHMENT 1
AUGUST 31, 2004**

Cooling tower bypass after addition total residual chlorine (TRC) results (ug/ml).

<u>Date</u>	<u>TRC (ug/ml)</u>
3	110
4	140
5	110
10	70
11	150
12	140
17	180
18	160
19	170
24	160
25	90
31	190

UOTCR 04-042

December 10, 2004

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for November 2004. Results are noted in comment section of each Outfall.

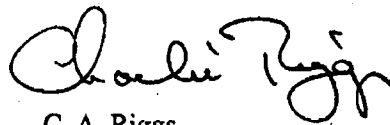
An exception report was submitted to Missouri Department of Natural Resources for the November 30, 2004 unauthorized discharge of oily waste water from an outside oily waste sump.

The TSS monthly average was exceeded on Outfall 016 due to the failure of a pump feeding polyelectrolyte.

Attachment 1 of the Discharge Monitoring Report contains the Outfall 002 asbestos results. This is a one time monitoring requirement per the new NPDES permit. Results were less than the detectable limit of the testing laboratory IATL.

The 2004 WET test results are included with this report for submittal to DNR.

Please let me know if you have any questions or need additional information.

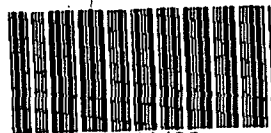


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998



00958493

TOTAL PAGES 45

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) November, 2004
 PAGE 1 OF 4

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
3	7	.091	15	19	6.44
5	6	.093	20	3	8.01
6	7	.092	16	17	7.78
8	6	.091	23	5	8.44
9	7	.093	16	88	7.45
12	6	.090	10	1	8.58
14	7	.093	16	178	7.06
15	6	.071	14	76	7.82
19	7	.094	13	108	6.23
24	7	.090	14	16	8.89
25	7	.093	10	0	8.67
26	6	.091	27	3	7.64
28	7	.092	1	7	7.69
29	6	.091	34	32	6.21
30	7	.094	20	12	7.44

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
3	472	<10	1.4

COMMENTS:

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) November, 2004
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX SP)	PHC (TCL)	TTC (UFD)
1	5.3	79	.04	160
2	3.5	77	.02	200
3	2.6	72	.03	110
4	4.6	74	<.01	130
5	2.1	74	.02	50
6	5.8	82	.02	90
7	5.9	78	<.01	40
8	3.7	74	<.01	10
9	5.0	75	<.01	70
10	5.0	82	.02	40
11	4.0	76	.03	40
12	4.6	71	.06	170
13	4.0	67	.10	150
14	6.0	68	.07	90
15	5.2	74	.01	60
16	4.6	73	<.01	10
17	4.3	81	<.01	<10
18	3.9	78	<.01	<10
19	5.2	73	<.01	60
20	4.7	72	.02	240
21	4.5	72	.02	140
22	4.7	72	.12	180
23	4.5	73	.06	180
24	5.9	73	.02	40
25	6.5	65	.04	200
26	6.0	73	.08	200
27	4.7	73	.01	90
28	6.5	65	.06	90
29	5.2	69	<.01	130
30	6.4	66	<.01	20

DATE	TSS (CF/L)	TDS (CF/L)
1	49	2372
8	79	1484
15	59	1724
22	72	2024
29	30	1540

DATE	Sulfate (mg/l)	Oil & Grease (mg/l)
1	978	8

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY *	15	20
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	N.A.
SULFATE	QRTLY *	N.A.	N.A.
FREE AVAIL. CHLORINE	DAILY	N.A.	0.2 (mg/l)
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- * SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.
See Attachment 1 for the one time asbestos monitoring of Outfall 002 required by the new NPDES permit.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) November, 2004

PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
10	.04	9	7	9.2

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	DAILY AVG.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	70	110
BOD	QRTLY *	45	65
pH	QRTLY *	6.0 - 9.0	6.0 - 9.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
19	10	.087	8	1	19	8.16
19	11	.399	25	8	56	7.77
19	12	.031	49	2	22	8.36
19	13	.035	31	3	36	7.85
19	14	.143	14	1	22	7.93
19	15	.058	50	1	22	8.14

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	N.A.	N.A.
COD	QRTLY *	N.A.	N.A.
O and G	QRTLY *	15	20
pH	QRTLY *	>6.0	>6.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
9	0.94	13	3	7.91	<10
(2) 29	1.37	78	--	--	--

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	30	100
O and G	QRTLY *	15	20
pH	QRTLY *	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY *	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
OPERATIONS LABORATORY USING METHODS SPECIFIED
UNDER 10CSR 20-7.015

COMMENTS: (2) High TSS resulted in monthly average being exceeded. High TSS due to loss of poly feed.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) November, 2004

PAGE 4 OF 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Plant Manager

UUTIC UYUOYQ REV
001

January 7, 2004

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

ATTACHED IS AN UPDATED PAGE 3 OF THE NOVEMBER REPORT (dated
December 10, 2004, ~~NOVEMBER 04-012~~). ~~PLEASE PLACE THIS IN THE REPORT,~~
~~AND DISCARD THE OLD PAGE.~~

Luanna M. Belsky

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998



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TOTAL PAGES 2

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) November, 2004
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH	TEMP (°C)
10	.04	9	7	7.51	

SANITARY WASTE

PARAMETER	FREQ	MO. AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	70	110
BOD	QRTLY *	45	65
pH	QRTLY *	6.0-9.0	6.0-9.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH	TEMP (°C)	
19	10	.087	8	1	19	8.16
19	11	.399	25	8	56	7.77
19	12	.031	49	2	22	8.36
19	13	.035	31	3	36	7.85
19	14	.143	14	1	22	7.93
19	15	.058	50	1	22	8.14

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	MO. AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	N.A.	N.A.
COD	QRTLY *	N.A.	N.A.
O and G	QRTLY *	15	20
pH	QRTLY *	>6.0	>6.0

* SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH	TEMP (°C)
9	0.94	13	3	7.91	<10
(2) 29	1.37	78	--	--	--

COOLING TOWER BYPASS

PARAMETER	FREQ	MO. AVG.	DAILY MAX.
FLOW	QRTLY *	N.A.	N.A.
TSS	QRTLY *	30	100
O and G	QRTLY *	15	20
pH	QRTLY *	6.0-9.0	6.0-9.0
TRC	QRTLY *	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
 OPERATIONS LABORATORY USING METHODS SPECIFIED
 UNDER 10CSR 20-7.015

COMMENTS: (2) High TSS resulted in monthly average being exceeded. High TSS due to loss of poly feed.

UOTCR 05-011

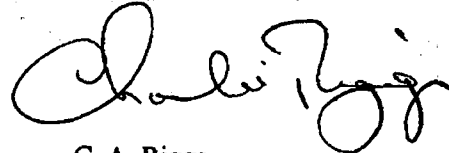
March 9, 2005

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for February 2005. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.



C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005 (2 copies)
R/C Clerk
A160.0998



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TOTAL PAGES 5

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD **FEBRUARY, 2005**
 PAGE 1 of 4

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
1	6	.090	30	9	8.62
3	7	.093	12	10	6.61
4	6	.092	11	7	6.13
5	7	.093	10	16	8.45
6	6	.093	14	6	7.77
10	7	.093	13	10	8.46
11	6	.092	10	9	8.45
15	7	.091	35 (1)	<.3	8.85
23	6	.090	6	5	8.66
25	7	.093	10	63	8.83
26	6	.093	2	124	8.32

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

- SOURCES**
- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
3	226	20	2

COMMENTS:
 (1) Exceeds monthly average limit but is below the daily max limit. Actual monthly average is 13.9.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD FEBRUARY, 2005
 PAGE 2 of 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TIC (UG/L)
1	2.0	62	<10
2	4.1	64	60
3	6.1	67	50
4	5.1	73	60
5	6.7	74	100
6	7.6	72	70
7	3.6	74	130
8	2.2	63	100
9	3.2	62	40
10	3.9	66	<10
11	3.4	68	180
12	3.5	72	70
13	7.6	75	40
14	3.7	75	70
15	5.4	77	70
16	3.2	68	<10
17	3.0	67	100
18	1.0	67	180
19	2.2	64	110
20	3.5	72	10
21	2.8	73	100
22	6.1	67	120
23	5.6	67	100
24	5.9	65	120
25	6.6	73	130
26	7.5	70	140
27	6.6	70	150
28	5.4	70	180

DATE	TSS (MG/L)	TDS (MG/L)
7	57	1576
14	69	2988
21	96	2312
28	51	1364

DATE	Sulfate (MG/L)	CaCl ₂ (MG/L)
7	742	1

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER IOCSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD FEBRUARY, 2005
 PAGE 3 of 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
10	.177	4	4	7.89

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WEEKLY AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
7	10	.035	6	2	22	8.25
7	11	.161	42	2	20	8.35
7	12	.012	29	2	20	8.54
7	13	.014	14	3	12	8.07
7	14	.058	16	2	20	8.25
7	15	.023	16	0	5	8.55

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (mg/l)
10	1.62	10	2	7.86	<10

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD FEBRUARY, 2005
PAGE 4 of 4

NPDES MONITORING REPORT

"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."


Preparer


Reviewer


Approved
Plant Manager

UOTCR 05-019

June 14, 2005

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for May, 2005. Results are noted in comment section of each Outfall.

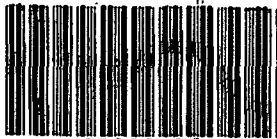
Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998



00986387

TOTAL PAGES 5

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD MAY, 2005
 PAGE 1 of 4

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH (STANDARD)
3	7	.092	9	63	8.40
7	7	.093	11	62	8.77
10	6	.090	18	19	8.58
19	7	.090	32	66	8.98
22	6	.092	12	0.3	8.53
26	7	.094	12	78	8.78
29	6	.092	7	133	8.62

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

- SOURCES**
- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
 - EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/d)
19	---	20	5
25	32	---	---

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD MAX. 2005
 PAGE 2 of 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	4.2	70	100
2	5.8	72	30 (2)
3	0	74	50
4	3.6	75	50
5	3.8	79	140
6	3.9	81	50
7	3.1	83	92
8	3	84	50
9	4	85	50
10	5.6	86	70
11	7.1	85	50
12	6.3	85	50
13	5.2	84	55
14	6	80	64
15	5.8	75	59
16	4.8	79	50
17	4	82	50
18	4.1	84	50
19	6.8	82	50
20	6.5	84	50
21	5.3	82	50
22	6.1	85	30 (2)
23	4.1	82	133
24	3.7	82	50
25	5.1	81	58
26	5.8	80	50
27	5.6	80	50
28	6.1	80	50
29	6.3	89	74
30	6.1	83	50
31	6.4	83	35 (2)

DATE	TSS (mg/l)	TDS (mg/l)
2	1544	23
9	2414	86
16	1212	61
23	1608	25
30	2416	36

DATE	Sulfate (mg/l)	O&G (mg/l)
2	854	0.4

PARAMETER	FREQ	LIMITS	
		MO. AVG	DAILY MAX
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

(2) By spectrophotometric method.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD MAY, 2005
 PAGE 3 of 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
5	.00001	9	19	7.36

SANITARY WASTE

PARAMETER	FREQ	LIMITS (mg/l)	
		MO. AVG	WEEKLY AVG
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
23	10	.011	2	2	20 (2)	8.31
9	11	.048	17	3	25 (2)	8.18
23	12	.004	44	1	25 (2)	8.19
23	13	.004	47	3	20 (2)	8.35
	14	- NO DISCHARGE -				
23	15	.007	12	1	18 (2)	7.53

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO. AVG	DAILY MAX
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
4	1.6	8	2	7.95	50

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO. AVG	DAILY MAX
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: _____

(2) Samples exceeded the 28 days from date of sample to time of analysis. _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD MAY, 2005
PAGE 4 of 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Plant Manager

UOTCR 05-035

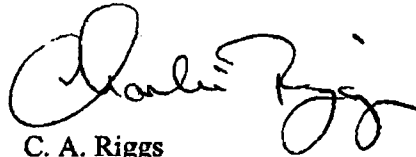
September 12, 2005

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for August, 2005. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998



6

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD AUGUST, 2005
 PAGE 1 of 5

NPDES MONITORING REPORT

**OUTFALL 001
 RADWASTE SYSTEM**

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
2	6	.092	4.4	17	8.57
4	6	.052	4.9	48	6.65
6	6	.092	3.2	0.3	8.94
7	7	.094	4	19	8.26
10	6	.091	8.4	29	8.54
13	7	.093	4.1	32	8.90
19	6	.093	4.5	17	8.81
23	7	.093	3.3	7	8.51
26	6	.093	3.9	28	6.86
28	7	.094	6	45	7.56
30	6	.093	4.8	56	6.89

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
4	2	--	--
1	--	50	2.2

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD AUGUST, 2005
 PAGE 2 of 5

NPDES MONITORING REPORT

OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	6	92	50
2	8	95	50
3	8.8	91	<50
4	10	88	50
5	9.2	91	50
6	5.7	88	50
7	8.2	87	<50
8	7.7	90	50
9	6.7	92	50
10	5.3	92	50
11	6.3	92	50
12	7.0	89	50
13	7.9	90	50
14	8.4	85	50
15	8.4	84	77
16	7.8	85	50
17	4.3	87	50
18	7.1	92	50
19	7.3	94	50
20	8.0	88	50
21	9.3	90	50
22	6.9	90	<50
23	9.2	85	<50
24	5.6	85	<50
25	8.6	87	50
26	8.7	88	50
27	9.3	86	50
28	9.7	87	50
29	5.8	87	50
30	7.7	86	<50
31	8.2	85	<50

DATE	TSS (mg/l)	TDS (mg/l)
1	48	2088
8	94	1340
15	62	1709
22	28	1448
29	25	616

DATE	Sulfate (mg/l)	O&G (mg/l)
8	1000	5.6

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD AUGUST, 2005
 PAGE 3 of 5

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
18	.0006	18	---	7
28	.0006	36	3	8.98

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WELY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	.70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
17	10	.065	9.6	1.5	33	8.59
17	11	.298	19.1	1.5	33	8.01
17	12	.023	39	27	38	8.84
17	13	.026	7.3	1	33	8.77
17	14	.107	41	1	13	8.04
17	15	.043	19	1.5	35	8.65

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	N.A.	N.A.
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
8	2.17	12	1.4	8.34	50

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: Outfall 016 TRC results on Attachment 1.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD AUGUST, 2005

PAGE 4 of 5

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Operations Manager

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD AUGUST, 2005
PAGE 5 of 5

NPDES MONITORING REPORT

OUTFALL 016
COOLING TOWER BYPASS AFTER ADDITION
FREE AVAILABLE CHLORINE (FAC)
AFTER ADD SAMPLE RESULTS AND
TOTAL RESIDUAL CHLORINE (TRC)

<u>Date</u>	<u>TRC (mg/l)</u>
08/16/2005	50
08/17/2005	<50
08/18/2005	50
08/23/2005	92

UOTCR 05-042

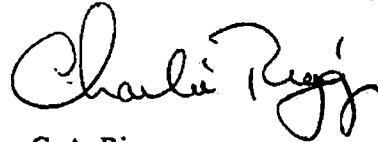
December 6, 2005

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for November, 2005. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.



C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
→ A160.0998



00927417

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) NOVEMBER, 2005
 PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
2	7	.08	10	8	7.15
3	6	.055	6	51	7.12
6	7	.091	16	67	8.08
10	6	.085	12	81	7.89
12	7	.093	12	3	8.86
15	6	.092	11	7	6.96
17	7	.092	16	64	6.82
18	6	.094	6	88	6.6
19	7	.085	22	238	7.23
22	6	.093	11	399	7.01
23	7	.094	17	136	7.27
25	6	.093	13	483	6.61
28	7	.093	8	0.3	6.84
29	6	.093	11	2	6.56

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER IOCSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
2	5	150	7
10		20	

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) NOVEMBER, 2005
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	0.4 (2)	63	<50
2	6.4	59	<50
3	3.8	59	<50
4	0 (2)	59	<50
5	0.6 (2)	62	<50
6	0.6 (2)	63	<50
7	0.3 (2)	56	<50
8	4.5	60	<50
9	5.7	65	<50
10	8.9	54	<50
11	6.3	57	<50
12	8.0	63	<50
13	6.2	56	<50
14	1.2	52	<50
15	0 (2)	50	<50
16	0 (2)	33	<50
17	0 (2)	55	<50
18	0.3 (2)	47	<50
19	0 (2)	61	<50
20	1.7	61	<50
21	1.6	65	<50
22	4.1	65	<50
23	4.2	69	<50
24	4.3	71	<50
25	4.3	66	<50
26	4.3	75	<50
27	3.5	79	<50
28	4.8	71	<50
29	5.9	63	<50
30	5.63	65	<50

DATE	TSS (mg/l)	TDS (mg/l)
7	253 (3)	336
14	7	308
21	43	1130
28	82	1120

DATE	Sulfate (mg/l)	O&G (mg/l)
14	168	1

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- (1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS:

No pH excursions occurred this month

(2) Dip Samples.

(3) Basin Level very low and murky; hard to sample.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) NOVEMBER, 2005
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
16	.07	4	5	7.95

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WKLY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
14	10	.038	5	1	40	8.36
14	11	.173	29	1	43	8.39
14	12	.013	28	3 (2)	23	9.42
14	13	.015	103	1	40	9.56
14	14	.062	69	1	48	8.82
14	15	.025	11	1	50	8.38

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
14	6.8	4	1	8.32	<50
21					148

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: _____

(2) Sample for oil and grease taken 11-09-05. _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) NOVEMBER, 2005

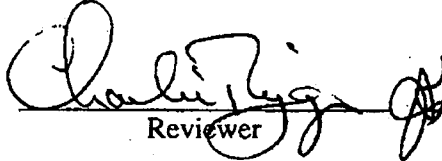
PAGE 4 OF 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Plant Manager

UOTCR 06-009

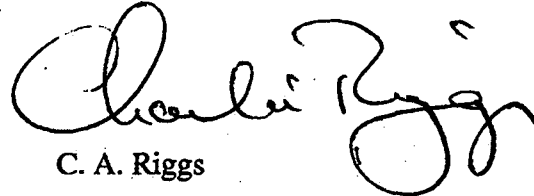
March 10, 2006

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for February, 2006. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:lmb

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

5
3/14

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD (MO/YR) FEBRUARY, 2006
PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	PH	TEMP (°F)	TSS (mg/l)
3	6	.081	20	21	8.42
16	7	.094	15	3	8.92
24	6	.092	12	8	6.37

PARAMETER	UNIT	VALUE	VALUE
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
Plant OPERATIONS LABORATORY USING
METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

DATE	SOURCE	TEMP (°F)	TSS (mg/l)
3		<50	12
16	16		

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) FEBRUARY, 2006
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
 COOLING TOWER BLOWDOWN

DATE	PH	TSS (mg/L)	TDS (mg/L)
1	4.2	73	111
2	3.4	70	53
3	4.3	67	63
4	4.2	61	94
5	4.3	65	104
6	4.4	63	<50
7	4.3	66	<50
8	4.3	64	<50
9	4.2	63	87
10	4.3	63	68
11	4.3	60	68
12	4.2	55	155
13	2.8	62	185
14	4.1	71	66
15	4.1	72	<50
16	4.9	73	<50
17	6.8	65	64
18	4.4	59	<50
19	4.3	62	133
20	4.2	67	114
21	4.1	72	<50
22	4.3	68	59
23	4.9	71	114
24	3.6	74	<50
25	4.2	67	133
26	4.7	66	117
27	5.0	76	139
28	4.0	78	<50

DATE	TSS (mg/L)	TDS (mg/L)
6	43	4000
8		2384
13	57	2168
20	40	2028
27	70	2024

DATE	TSS (mg/L)	TDS (mg/L)
6	1226	14

PARAMETER	UNIT	MIN	MAX
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) FEBRUARY, 2006

PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/L)	BOD (mg/L)	pH
9	.013	4	9	8.26

SANITARY WASTE

PARAMETER	FREQ	LIMITS (mg/L)	
		MO AVG	WKE AVG
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/L)	O and G (mg/L)	COD (mg/L)	pH
16	10	.002	7	2	15	8.44
16	11	.011	32	2	40	8.29
6	12	.001	116	1	23	8.57
(1)	13					
16	14	.004	22	2	24	8.10
6	15	.002	8	1	26	8.71

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO AVG	WKE AVG
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/L)	PH	TRC (ug/l)
16	3.29	10	1	8.32
				<50

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO AVG	WKE AVG
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS : (1) No Discharge noted.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) FEBRUARY, 2006

PAGE 4 OF 4

NPDES MONITORING REPORT

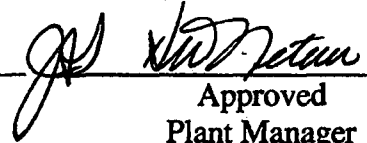
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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."



Preparer



Reviewer



Approved
Plant Manager

UOTCR 06-0021

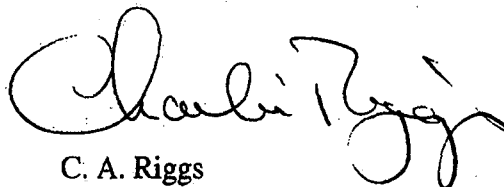
June 7, 2006

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for May 2006. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.



C. A. Riggs

CAR/RSB:mad

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

⑧
SLL

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) MAY 2006
 PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

Sample ID	Date	Parameter 1	Parameter 2	Parameter 3	Parameter 4
1	7	.093	.15	2	8.76
10	6	.089	.12	20	8.73
18	7	.091	31 (1)	2	8.91
21	6	.091	.20	97	8.40
28	7	.090	.26	202	6.05

Parameter	Frequency	Value 1	Value 2
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Parameter	Value 1	Value 2	Value 3
	1	5	90
			11

COMMENTS: (1) Monthly Average 20.8

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) MAY 2006
 PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	PH	TEMPERATURE (MAXIMUM)	TOTAL RESIDUAL CHLORINE
1	8.0	79	51
2	3.3	84	50
3	3.5	84	<50
4	3.9	78	<50
5	5.9	76	<50
6	4.3	76	<50
7	3.3	79	<50
8	3.5	80	<50
9	3.4	86	<50
10	5.7	83	<50
11	2.0	77	50
12	3.0	67	132
13	3.3	73	107
14	2.9	75	99
15	2.6	79	61
16	2.5	82	<50
17	3.5	83	50
18	1.6	69	<50
19	0	65	189
20	0	62	61
21	0.1	63	158
22	0.3	63	<50
23	0	63	<50
24	0	64	<50
25	0	70	<50
26	0	70	<50
27	0	71	<50
28	0	73	<50
29	0	74	<50
30	0	74	<50
31	2.0	78	50

DATE	PH	TEMPERATURE (MAXIMUM)	TOTAL RESIDUAL CHLORINE
1	39	2080	
8	48	1972	
15	59	1444	
22	36	1904	
29	41	992	

DATE	PH	TEMPERATURE (MAXIMUM)	TOTAL RESIDUAL CHLORINE
1	824	0.4	

PARAMETER	FREQUENCY	LIMITS	
		MIN	MAX
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY (1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110° F	110° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursion occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) MAY 2006
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

Date	Flow (MGD)	Temperature	pH	TSS
4	.031	3	2	7.58

SANITARY WASTE

Parameter	Frequency	Range	Value
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

Date	Flow (MGD)	Temperature	pH	TSS	BOD	
2	10	.020	4	5	25	8.56
2	11	.094	6	2	47	8.17
2	12	.007	26	1	20	8.15
2	13	.008	5	1	27	7.9
2	14	.034	23	3	32	8.25
2	15	.014	4	1	30	8.79

STORM WATER RUNOFF PONDS

Parameter	Frequency	Range	Value
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY(1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

Date	Flow (MGD)	Temperature	pH	TSS	TRC
8	2.25	12	2	7.95	<50

COOLING TOWER BYPASS

Parameter	Frequency	Range	Value
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
 OPERATIONS LABORATORY USING METHODS SPECIFIED
 UNDER 10CSR 20-7.015

COMMENTS: See Attachment 1 for additional TRC results for
 Outfall 016

Ameren UE Callaway Plant

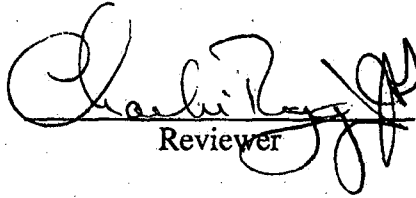
PERMIT NO. MO-0098001
REPORTING PERIOD (MO/YR) MAY 2006
PAGE 4 OF 4

NPDES MONITORING REPORT

"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."



Preparer



Reviewer



Approved
Plant Manager

ATTACHMENT 1
DATE: MAY 2006

Cooling tower bypass after addition total residual chlorine (TRC) results (ug/ml).

<u>Date</u>	<u>TRC (ug/ml)</u>
2	116
3	154
4	163
9	101
11	134
15	<50

Chemical Analysis Report
Laboratory Services Department
AmerenUE

CC: M. Bollinger 602

Requestor or Contact: Ron Boutelle
 Department: Callaway
 Date Received: 22-May-06

Report Date: 25-May-06
 Login Record File: 06050403

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 10
Lab Sample No.: UU09135

Collection Date: 02-May-06
Collection Time: 3:50 PM
Original Sample ID: 010

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	25	mg/L	1	U3013A	ARD

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 11
Lab Sample No.: UU09136

Collection Date: 02-May-06
Collection Time: 4:00 PM
Original Sample ID: 011

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	47	mg/L	1	U3013A	ARD

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 12
Lab Sample No.: UU09137

Collection Date: 02-May-06
Collection Time: 4:25 PM
Original Sample ID: 012

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	20	mg/L	1	U3013A	ARD

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 13
Lab Sample No.: UU09138

Collection Date: 02-May-06
Collection Time: 4:15 PM
Original Sample ID: 013

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	27	mg/L	1	U3013A	ARD

Requestor or Contact: Ron Boutelle
Department: Callaway
Date Received: 22-May-06

Report Date: 25-May-06
Login Record File: 06050403

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 14
Lab Sample No.: UU09139

Collection Date: 02-May-06
Collection Time: 3:40 PM
Original Sample ID: 014

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	32	mg/L	1	U3013A	ARD

General Sample Description: Callaway Plant NPDES Sample
Sample Point: CAL Stormwtr Runoff Outfall 15
Lab Sample No.: UU09140

Collection Date: 02-May-06
Collection Time: 3:45 PM
Original Sample ID: 015

<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>MDL</u>	<u>Analysis Code</u>	<u>Analyst</u>
COD	30	mg/L	1	U3013A	ARD

Comments:

Approved By:  Carol Zale

Digitally signed by
Carol Zale
DN: email=Carol.Zale,
ou=APPROPRIATE, ou=ES
Date: 2006.05.25
16:30:28 -0500

AmerenUE
Callaway Plant

PO Box 620
Fulton, MO 65251

UOTCR060030

September 14, 2006

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for August 2006. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.




C. A. Riggs

CAR/RSB:mad

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) 8/6/2006
 PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
7	6	.093	11	97	8.52
14	7	.092	13	30	8.75
21	6	.093	24	3	8.58
28	7	.091	7	3	8.64
31	6	.093	18	4	8.8

PARAMETER	FREQ	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
7	8	<50	5

COMMENTS:

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 8/6/2006

PAGE 2 OF 4

NPDES MONITORING REPORT

**OUTFALL 002
COOLING TOWER BLOWDOWN**

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	9.6	97	<50
2	7.9	98	<50
3	8.8	92	69
4	5.1	91	65
5	4.9	92	65
6	5.0	96	72
7	6.4	97	85
8	5.1	95	<50
9	5.2	99	<50
10	6.3	95	<50
11	5.0	94	70
12	5.8	93	84
13	6.5	95	61
14	7.1	95	<50
15	3.7	91	77
16	5.9	90	60
17	4.8	96	179
18	5.3	97	88
19	6.9	95	57
20	6.5	92	<50
21	7.3	93	62
22	4.2	92	76
23	5.9	93	<50
24	5.3	93	76
25	8.0	93	96
26	5.8	94	81
27	6.1	94	67
28	6.6	91	92
29	5.4	89	<50
30	1.7	87	<50
31	4.3	88	<50

DATE	TSS (mg/l)	TDS (mg/l)
7	54	2084
14	56	2140
21	70	1676
28	54	1880

DATE	Sulfate (mg/l)	O&G (mg/l)
7	1532	3

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY.(1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 8/6/2006

PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
2	.0001	17	4	6.88

SANITARY WASTE

PARAMETER	FREQ	LIMITS (mg/l)	
		MO. AVG	WELY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0-9.0	6.0-9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
3	10	.013	32	1	42	8.61
3	11	.062	13	1	27	8.44
3	12	.005	22	3	32	9.47
28	13	.005	38	2	15	7.58
28	14	.023	12	5	17	7.76
	15			No Discharge		

STORM WATER RUNOFF PONDS

PARAMETER	FREQ	LIMITS	
		MO. AVG	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
9	3.5	12	1.0	8.46	<50

COOLING TOWER BYPASS

PARAMETER	FREQ	LIMITS	
		MO. AVG	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0-9.0	6.0-9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: After add TRC results for outfall 016 on Attachment 1.

Ameren UE Callaway Plant

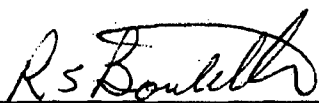
PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 8/6/2006

PAGE 4 OF 4

NPDES MONITORING REPORT

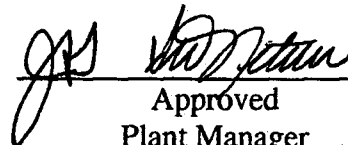
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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."



Preparer



Reviewer



Approved
Plant Manager

ATTACHMENT 1

8/6/2006

Cooling tower bypass after addition total residual chlorine (TRC) results (ug/ml).

<u>Date</u>	<u>TRC (ug/ml)</u>
17	179
22	66
23	<50
24	<50
28	115
29	<50
30	178

AmerenUE
Callaway Plant

PO Box 620
Fulton, MO 65251

UOTCR060037

December 18, 2006

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report



Attached is the NPDES Monthly Report for November 2006. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.

A handwritten signature in cursive script that reads "Charlie Riggs".

C. A. Riggs

CAR/RSB:sl

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

(6)
sl

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) 11-06
 PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
8	6	.092	13	29	8.9
9	7	.093	12	1	8.8
13	6	.092	10	9	7.73
22	7	.094	10	5	6.93
28	6	.091	16	3	7.11

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

- SOURCES
- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
 - EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
8	19	10	5

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
REPORTING PERIOD (MO/YR) 11-06
PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	6.8	70	50 (2)
2	6.2	70	64
3	6.2	74	82
4	7.2	74	50 (2)
5	7.1	76	50 (2)
6	4.2	75	50 (2)
7	4.4	76	50 (2)
8	5.3	84	50 (2)
9	2.8	84	50 (2)
10	6.0	85	80
11	7.3	68	105
12	6.8	74	54
13	5.0	74	50 (2)
14	6.0	75	50 (2)
15	6.7	75	50 (2)
16	7.0	70	50 (2)
17	6.6	74	50 (2)
18	7.9	69	50 (2)
19	5.7	69	50 (2)
20	6.1	69	50 (2)
21	1.5	76	85
22	6.0	79	86
23	4.5	81	59
24	4.4	83	74
25	5.2	84	76
26	6.3	83	50 (2)
27	2.8	78	50 (2)
28	5.9	81	50 (2)
29	5.8	82	50 (2)
30	5.0	61	50 (2)

DATE	TSS (mg/l)	TDS (mg/l)
6	93	1582
13	68	1732
20	46	1708
27	45	2188

DATE	Sulfate (mg/l)	O&G (mg/l)
6	892	3

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY.(1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- (1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month

(2) <LOQ

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) 11-06
 PAGE 3 OF 4

NPDES MONITORING REPORT

OUTFALL 003
 WATER TREATMENT PLANT
 NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
2	.002	4	4	7.11

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WKLY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
 INTAKE HEATER BLOWDOWN
 NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
7	10	.033	22	1	-	7.99
7	11	.153	68	2	-	8.12
7	12	.012	32	5	-	8.39
27	10	-	-	-	27	-
27	11	-	-	-	17	-
27	12	-	-	-	15	-

*See comments

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY(1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
7	1.44	19	3	8.26	<50

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
 No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: Outfall 016 TRC results on Attachment 1

*No discharge noted on outfalls 13, 14, and 15.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 11-06

PAGE 4 OF 4

NPDES MONITORING REPORT

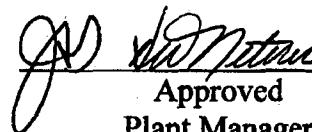
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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."



Preparer



Reviewer



Approved
Plant Manager

ATTACHMENT 1
November 2006

Cooling tower bypass after addition total residual chlorine (TRC) results (ug/ml).

<u>Date</u>	<u>TRC (ug/ml)</u>
10	164
28	<50

AmerenUE
Callaway Plant

PO Box 620
Fulton, MO 65251

UOTCR 07-0016

March 14, 2007

Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report



Attached is the NPDES Monthly Report for February 2007. Results are noted in comment section of each Outfall.

Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:sl

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

(5) SL

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 02/07

PAGE 1 OF 4

NPDES MONITORING REPORT

OUTFALL 001 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)	Boron (mg/l)	pH
2	7	.083	10	25	8.84
8	6	.094	10	14	6.25
13	7	.092	25	24	8.68
16	6	.093	4	44	8.57
18	7	.095	5	21	8.7
20	6	.094	5	41	8.42
21	7	.093	2	23	7.16
23	6	.094	4	15	8.7

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
- 2 = WASTE MONITOR TANK B
- 3 = STEAM GENERATOR BLOWDOWN
- 4 = SEC. LIQ. WASTE MONITOR TANK A
- 5 = SEC. LIQ. WASTE MONITOR TANK B
- 6 = LIQ. RADWASTE DISCHARGE TANK A
- 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
2	30	<10	4

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 02/07

PAGE 2 OF 4

NPDES MONITORING REPORT

OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	8.2	63	<50
2	3.6	61	<50
3	6.2	58	<50
4	4.2	63	84
5	4.5	58	<50
6	4.4	72	<50
7	4.4	59	<50
8	4.6	60	<50
9	4.4	62	<50
10	5.0	62	88
11	4.6	65	54
12	4.5	65	<50
13	4.5	62	<50
14	5.0	56	<50
15	4.5	57	<50
16	4.0	66	69
17	5.5	65	<50
18	4.3	67	80
19	4.7	76	53
20	5.1	74	<50
21	5.0	77	68
22	5.8	72	<50
23	5.2	76	<50
24	5.5	78	<50
25	4.3	72	79
26	7.9	68	<50
27	8.7	71	<50
28	7.4	81	<50

DATE	TSS (mg/l)	TDS (mg/l)
5	50	1824
12	64	2076
19	74	2016
26	63	1352

DATE	Sulfate (mg/l)	O&G (mg/l)
5	988	2

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY.(1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- (1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month.

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 02/07

PAGE 3 OF 4

NPDES MONITORING REPORT

**OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE**

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
8	.003	2	0	8.56

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WKLY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

**OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE**

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
6	11	.154	23	1	20	7.72
6	12	.012	4	2	22	9.01
28	13	.014	37	3	27	9.08
28	14	.055	119	3	22	8.32
6	15	.022	9	1	20	8.20

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
5	3.7	15	7	8.21	<50

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
OPERATIONS LABORATORY USING METHODS SPECIFIED
UNDER 10CSR 20-7.015

COMMENTS: _____

Ameren UE Callaway Plant

PERMIT NO. MO-0098001

REPORTING PERIOD (MO/YR) 02/07

PAGE 4 OF 4

NPDES MONITORING REPORT

"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."


Preparer


Reviewer


Approved
Plant Manager

UOTCR 07-0032

June 12, 2007

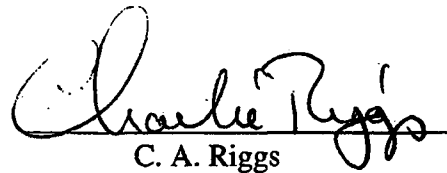
Steven S. Weiss
Mail Code 602

Callaway NPDES Monthly Report

Attached is the NPDES Monthly Report for May, 2007. Results are noted in comment section of each Outfall.

Outfall 015 COD was missed on 5-07-07, and the Outfall did not discharge the rest of the month.

Please let me know if you have any questions or need additional information.


C. A. Riggs

CAR/RSB:sl

Attachments

cc: G. P. Gary (470)
C170.0005
R/C Clerk
A160.0998

(17)

Ameren UE Callaway Plant

PERMIT NO. MO-0098001
 REPORTING PERIOD (MO/YR) 05/2007
 PAGE 1 OF 5

NPDES MONITORING REPORT

OUTFALL 001
 RADWASTE SYSTEM

DATE	SOURCE	FLOW (MGD)	TSS (mg/l)(*1)	Boron (mg/l)	pH
2	7	.092	28	216	7.08
7	6	.092	19	69	6.97
10	7	.091	21	62	6.03
11	6	.090	7	8	6.84
12	7	.093	8	8	7.74
14	6	.092	16	201	6.34
16	7	.093	5	300	6.22
17	6	.091	12	184	7.32
19	7	.091	10	218	7.66
22	6	.091	18	94	8.04
28	6	.093	40 (*1)	3	8.13
29	7	.092	10	20	6.28
30	6	.090	12	2	8.56

PARAMETER	FREQ.	LIMITS	
		MONTHLY AVERAGE	DAILY MAX.
FLOW (MGD)	EB	N.A.	N.A.
pH (STD)	EB	6.0-9.0	6.0-9.0
TSS (mg/l)	EB	30	45
Boron (mg/l)	EB	N.A.	N.A.
TRC (ug/l)	Monthly	N.A.	190
BOD (mg/l)	Monthly	N.A.	N.A.
O&G (mg/l)	Monthly	15	20

ALL SAMPLES ANALYZED BY Ameren UE Callaway
 Plant OPERATIONS LABORATORY USING
 METHODS SPECIFIED UNDER 10CSR 20-7.015

SOURCES

- 1 = WASTE MONITOR TANK A
 - 2 = WASTE MONITOR TANK B
 - 3 = STEAM GENERATOR BLOWDOWN
 - 4 = SEC. LIQ. WASTE MONITOR TANK A
 - 5 = SEC. LIQ. WASTE MONITOR TANK B
 - 6 = LIQ. RADWASTE DISCHARGE TANK A
 - 7 = LIQ. RADWASTE DISCHARGE TANK B
- EB = EACH BATCH

Date	BOD (mg/l)	TRC (ug/l)	O&G (mg/l)
2	7	10	4

COMMENTS:
 (*1) Monthly average for TSS was 15.8 mg/L

Ameren UE Callaway Plant

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OUTFALL 002
COOLING TOWER BLOWDOWN

DATE	FLOW (MGD)	TEMP (MAX °F)	TRC (ug/l)
1	(*2) 0	68	<50
2	4.3	63	<50
3	(*2) 0	65	<50
4	(*2) 0	71	<50
5	(*2) 0	69	<50
6	(*2) 0	71	<50
7	(*2) 0	66	<50
8	1.0	72	<50
9	(*2) 0	72	<50
10	(*2) 0	78	<50
11	(*2) 0	81	64
12	0.5	85	<50
13	(*2) 0	85	<50
14	(*2) 0	89	<50
15	5.2	88	<50
16	1.6	80	<50
17	1.8	78	<50
18	4.0	80	65
19	3.5	83	<50
20	2.9	84	<50
21	4.1	85	<50
22	1.7	86	79
23	5.1	87	<50
24	5.0	87	<50
25	4.5	83	53
26	5.4	86	73
27	4.3	87	98
28	4.6	87	<50
29	4.1	88	<50
30	7.2	87	57
31	3.7	87	<50

DATE	TSS (mg/l)	TDS (mg/l)
2	10	396
7 (*2)	15	320
14 (*2)	53	1458
21	115	1390
28	34	2188

DATE	Sulfate (mg/l)	O&G (mg/l)
14 (*2)	776	0.1

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	CONT.	N.A.	N.A.
TOTAL SUSPENDED SOLIDS	WKLY.	N.A.	N.A.
TOTAL DISSOLVED SOLIDS	WKLY.	N.A.	N.A.
OIL AND GREASE	QRTLY (1)	15	20
SULFATE	QRTLY.(1)	N.A.	N.A.
TEMPERATURE (MAXIMUM)	DAILY	110 ° F	110 ° F
pH	CONT.	6.0 - 9.0	6.0 - 9.0
TOTAL RESIDUAL CHLORINE	DAILY	N.A.	190 ug/L

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LAB USING METHODS SPECIFIED UNDER 10CSR20-7.015.

- (1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

COMMENTS: No pH excursions occurred this month

(*2) All samples taken by dip sample from C Circ Water Pump Bay due to no discharge.

Ameren UE Callaway Plant

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NPDES MONITORING REPORT

OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
19	.0001	12	—	8.47
31	.0001	—	5.1	—

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WELY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	COD (mg/l)	pH
7	10	.042	16	0	(*3)	8.14
7	11	.192	10	1	(*3)	7.64
7	12	.015	18	3	(*3)	9.00
7	13		No	Discharge		
7	14	.069	98	1	(*3)	7.78
7	15	.028	26	1	(*4)	9.00

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY(1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)
17	2.27	8	7	7.7	<50

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant OPERATIONS LABORATORY USING METHODS SPECIFIED UNDER 10CSR 20-7.015

COMMENTS: See Attachment 1 for additional outfall -016 TRC analyses.

(*3) see page 4 of 5 for COD values.

(*4) Outfall 15 COD was missed on 5-07-07 and outfall did not discharge the rest of the month.

Ameren UE Callaway Plant

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**OUTFALL 003
WATER TREATMENT PLANT
NO DISCHARGE**

OUTFALL 007

DATE	FLOW (MGD)	TSS (mg/l)	BOD (mg/l)	pH
		Not	Applicable	

SANITARY WASTE

PARAMETER	FREQ.	LIMITS (mg/l)	
		MO. AVG.	WKLY. AVG.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	70	110
BOD	QRTLY (1)	45	65
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER

**OUTFALL 009
INTAKE HEATER BLOWDOWN
NO DISCHARGE**

OUTFALLS 010 - 015

DATE	OUTFALL	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	CO-D (mg/l)	pH
19	10	.042	---	---	30	---
19	11	.192	---	---	39	---
19	12	.015	---	---	42	---
31	14	.069	---	---	25	---

STORM WATER RUNOFF PONDS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	N.A.	N.A.
COD	QRTLY (1)	N.A.	N.A.
O and G	QRTLY (1)	15	20
pH	QRTLY(1)	>6.0	>6.0

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 016

DATE	FLOW (MGD)	TSS (mg/l)	O and G (mg/l)	pH	TRC (ug/l)

COOLING TOWER BYPASS

PARAMETER	FREQ.	LIMITS	
		MO. AVG.	DAILY MAX.
FLOW	QRTLY (1)	N.A.	N.A.
TSS	QRTLY (1)	30	100
O and G	QRTLY (1)	15	20
pH	QRTLY (1)	6.0 - 9.0	6.0 - 9.0
TRC	QRTLY (1)	N.A.	190

(1) SAMPLES SHALL BE TAKEN DURING THE MONTHS OF FEBRUARY, MAY, AUGUST, NOVEMBER.

OUTFALL 017

ULTIMATE HEAT SINK
No Discharge

ALL SAMPLES ANALYZED BY Ameren UE Callaway Plant
OPERATIONS LABORATORY USING METHODS SPECIFIED
UNDER 10CSR 20-7.015

COMMENTS:

Ameren UE Callaway Plant

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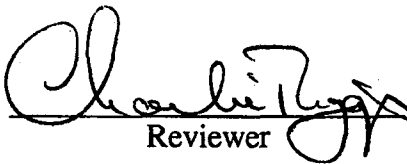
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NPDES MONITORING REPORT

"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."


Preparer


Reviewer


Approved
Plant Manager

ATTACHMENT 1

DATE: 05/2007

Cooling tower bypass after addition total residual chlorine (TRC) results (ug/ml).

<u>Date</u>	<u>TRC (ug/ml)</u>
8	<50
29	<50
31	<50