

Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37384-2000

October 11, 2007

State of Tennessee
Department of Environment and Conservation
Division of Water Pollution Control
Enforcement & Compliance Section
6th Floor, L & C Annex
401 Church Street
Nashville, Tennessee 37243-1534

Dear Mr. Patrick Cromer:

SEQUOYAH NUCLEAR PLANT - DISCHARGE MONITORING REPORT FOR SEPTEMBER 2007

Enclosed is the September 2007 Discharge Monitoring Report for Sequoyah Nuclear Plant. Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

Stephanie A. Howard

Principal Environmental Engineer

Signatory Authority for

Timothy P. Cleary

Site Vice President

Sequoyah Nuclear Plant

Enclosure

cc (Enclosure):

Chattanooga Environmental Assistance Center Division of Water Pollution Control State Office Building, Suite 550 540 McCallie Avenue Chattanooga, Tennessee 37402-2013.

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

> IE25 NRP

| Name TVA - SEQUOYAH NUCLEAR | ddress P.O. BOX 2000 | | | | ARGE ELIMINATION S ONITORING REPOR | | MAJOR (SUBR 01) | | | Form Approved. OMB No. 2040-0004 | | |
|--|-----------------------|---------|------------------|-----------|---------------------------------------|---------------|--------------------|---------------|---------|-------------------------------------|--------|--|
| (INTEROFFICE SB-2A) | | | TNO | 0026450 | | 101 G | F - FINAL | | | | | |
| SODDY - DAISY TN 37384 | | | | IT NUMBER | R DISCHAF | RGE NUMBER | DIFFUSER DISCHA | RGE | | | | |
| Facility TVA - SEQUOYAH NUCLEAR PLA | NT | | | | | | EFFLUENT | | | | | |
| Location HAMILTON COUNTY | | | YEAR | | TORING PERIOR | | CLLFORINI | | | | | |
| ATTAL CAMBONIC A LINE | | | From 07 | 09 0 | | 09 30 | *** NO DISCHAR | GE | *** | | | |
| ATTN: Stephanie A. Howard | | | 110111 07 | 09 0 | 10 07 | 09 30 | NOTE: Read instr | uctions befor | e comp | leting this forn | n. | |
| PARAMETER | | QUA | NTITY OR LOADING | | | QUALITY OR CO | ONCENTRATION | " | NO. | FREQUENCY | 1 (| |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | EX | ANALYSIS | TYPE | |
| TEMPERATURE, WATER DEG. CENTIGRADE | SAMPLE MEASUREMENT | ****** | ***** | ** | ***** | ***** | 29.7 | 04 | 0 | 30 / 30 | MODELD | |
| 00010 Z 0 0 INSTREAM MONITORING | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 30.5 DAILY MX | DEG. C. | | SEE PERMIT | CK REQ | |
| TEMPERATURE, WATER DEG. CENTIGRADE | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | 38.0 | 04 | 0 | 30 / 30 | RCORDR | |
| 00010 1 0 0 | PERMIT | ***** | ***** | **** | **** | ***** | REPORT | DEG. C. | | SEE | CK REQ | |
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| EFFLUENT GROSS VALUE | REQUIREMENT | | , | | | | DAILY MX | | | UOUS | | |
| PH | SAMPLE MEASUREMENT | ***** | ****** | ** | 7.6 | ***** | 8.1 | 12 | 0 | 5 / 30 | GRAB | |
| 00400 1 0 0 | PERMIT | ***** | ***** | **** | 6.0 | ****** | 9.0 | SU | | WEEKLY | GRAB | |
| EFFLUENT GROSS VALUE | REQUIREMENT | 2.50 | | | MINIMUM | 114 / Ja | MAXIMUM | | | | | |
| SOLIDS, TOTAL SUSPENDED | SAMPLE | ***** | ****** | ** | ****** | 4 | 4 | 19 | 0 | 1/30 | GRAB | |
| 1 | MEASUREMENT | | | | | | | | | | | |
| 00530 1 0 0 | PERMIT | ****** | ****** | **** | ***** | 30 | 100 | MG/L | | MONTHLY | GRAB | |
| EFFLUENT GROSS VALUE | REQUIREMENT | | | | • | MO AVG | DAILY MX | | | | | |
| OIL AND GREASE | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | <5 | <5 | 19 | 0 | 1/30 | GRAB | |
| 00556 1 0 0 | PERMIT | ***** | ***** | **** | ***** | 15 | 20 | MG/L | - | MONTHLY | GRAB: | |
| EFFLUENT GROSS VALUE | REQUIREMENT | | | | : | MO AVG | DAILY MX | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I Certify under penalty of law that this document and all attachments were prepared under my | 4 .0.1 | TELEPHONE | | | DATE | |
|--|--|---|--------------|----------|------|------|----|
| | 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 | Stephanila Ibwand | | | | | T |
| | 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, | Principal Environmental Engineer | 423 | 843-6700 | 07 | 10 | 10 |
| | 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. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | L | | | | - |
| TYPED OR PRINTED | The state of the s | OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | МО | DA |

03

MGD

1630

REPORT

DAILY MX

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No closed mode operation. The following information is included in an attachment: CCW data

SAMPLE

MEASUREMENT

PERMIT

REQUIREMENT

FLOW, IN CONDUIT OR THRU

EFFLUENT GROSS VALUE

TREATMENT PLANT 50050 1 0 0

30 / 30

CONTIN

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RCORDR

RCORDR

DMR Attachment

CCW Data

| CCW TRENCH | | | | |
|-----------------------|---------------------------------------|--------------------|---------|-------------|
| . Date/Time Collected | Extractable Petroleum Hydrocarbons | Analysis Date/Time | Analyst | Method |
| 10/02/2007 @ 1042 | 0.24 mg/L | 10/05/2007 @ 0917 | NGW | TN EPA 8015 |
| CCW CHANNEL | | | | |
| Date/Time Collected | Extractable Petroleum Hydrocarbons | Analysis Date/Time | Analyst | Method |
| 10/02/2007 @ 1036 | <0.10 mg/L | 10/05/2007 @ 0906 | NGW | TN EPA 8015 |

| Name TVA - SEQUOYAH NUCL | ddress P.O. BOX 2000 | | | UTANT DISCHA | | | STEM (NPDES) (DMR) | ואסטוז | | | Form Approved. OMB No. 2040-0004 | | | |
|--|---|--|--|--|-----------------------|------------|--|--------------------|--------------|--------|-------------------------------------|--------------|---------|-----------|
| Address P.O. BOX 2000 (INTEROFFICE SB-2A) | | | TNO | 0026450 | | | 101 G | F - FINAL | | | | | | |
| SODDY - DAISY TN 3738 | | | | IT NUMBER | DI | SCHARG | E NUMBER | DIFFUSER DISCHARGE | | | | | | |
| Facility TVA - SEQUOYAH NUCLEAR Location HAMILTON COUNTY | PLANT | | | | ORING F | | | EFFLUENT | | | | | | |
| goodion Thank TON COOK! | | | YEAR | MO DAY | | YEAR | the state of the s | | | | ** | | | |
| ATTN: Stephanie A. Howard | | | From 07 | 09 01 | _ To[| 0 07 09 30 | | | | LJ | | | | |
| PARAMETER | | OHAN | TITY OF LOADING | | QUALITY OR CONCENTRAT | | | NOTE: Read i | nstruction | | | ting this to | | <u></u> . |
| I ANOME LEIN | | QUAN | ITITY OR LOADING | | | | QUALITY OR CO | INCENTRATION | | | NO. | OF | TYF | |
| | | AVERAGE | MAXIMUM | UNITS | MINIM | UM | AVERAGE | MAXIMUM | U | VITS | Ì | ANALYSIS | | |
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| 50060 1 0 0 | PERMIT | ***** | ***** | **** | **** | ** | 0.10 | 0.10 | N | G/L | | WEEK- | CALC | OTC |
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| 82234 1 0 0 | PERMIT | ***** | 2 | DEG | ***** | ** | ****** | ***** | | *** | | CONTIN | CALC | OTC |
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| NAME/TITLE PRINCIPAL EXECUTIVE OF | direction or supervi | sion in accordance with | ment and all attachments a system designed to as | sure that qualifie | d personnel | It of | rance a | Jan xand | TE | LEPHON | E | | DATE | |
| Timothy P. Cleary | | | in submitted. Based on m persons directly respons | | | , | cipal Environme | | | _ | | | | _ } |
| Site Vice President | information, the info accurate, and comp | ormation submitted is , to plete. I am aware that the | o the best of my knowled ere are significant penalt | ge and belief, tru ies for submitting | e, [| SIGNAT | URE OF PRINC | IPAL EXECUTIVE | 423 | 843-6 | 700 | 07 | 10 | 10 |
| TYPED OR PRINTED | Information, including | ng the possibility of fine | and imprisonment for kn | owing violations. | 1 | OFFI | CER OR AUTHO | RIZED AGENT | AREA CODE | NUME | BER | YEAR | MO E | YAC |
| COMMENTS AND EXPLANATION OF ANY | VIOLATIONS (Reference | ce all attachments he | re) | | | | | | 1 | | | | | |
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

Page 2 of 2

| | Address P.O. BOX 2000 | | DIS | UTANT DISCHARO | | EPORT | (DMR) | (SUBR 01) | | | Form Approved. OMB No. 2040-0004 | | | | |
|---|---|--|--|---|---------|-------|---------------|----------------|--|----------|-------------------------------------|----------------|--|--|--|
| (INTEROFFICE SB-2A) | | | | 0026450 | | | 101 Q | F - FINAL | | | | | | | |
| SODDY - DAISY TN 3738 Facility TVA - SEQUOYAH NUCLEAR | | | PERM | IT NUMBER |] [DIS | CHARG | E NUMBER | DIFFUSER DISC | HARGE | | | | | | |
| Location HAMILTON COUNTY | | | YEAR | | RING PI | | | | | | | | | | |
| ATTN: Stephanie A. Howard | | | From 07 | 07 01 | | | | | ARGE *** nstructions before completing this form. | | | | | | |
| PARAMETER | | QUAI | NTITY OR LOADING | | | Q | QUALITY OR CO | NCENTRATION | | | FREQUEN | SAMPLE TYPE | | | |
| | | AVERAGE | MAXIMUM | UNITS | MINIMU | М | AVERAGE | MAXIMUM | וואט | | ANALYSIS | ' | | | |
| BORON, TOTAL | SAMPLE MEASUREMENT | ***** | ***** | ** | | | <0.20 | | 19 | 0 | 3/92 | | | | |
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| NAME/TITLE PRINCIPAL EXECUTIVE OFF | FICER I Certify under pena | alty of law that this docu | ument and all attachments | were prepared und | fer my | 6) (| . () | | TELE | PHONE | | DATE | | | |
| Timothy P. Cleary | properly gather and | f evaluate the information | n a system designed to as on submitted. Based on m persons directly responsi | ny inquiry of the per | | | | devard | | | | | | | |
| Site Vice President | information, the info accurate, and comp | ormation submitted is , to plete. I am aware that the | to the best of my knowled here are significant penalti | ge and belief, true, ies for submitting fa | L. | | | ental Engineer | 423 | 843-6700 | 07 | 10 10 | | | |
| TYPED OR PRINTED | information, includir | ng the possibility of fine | and imprisonment for known | owing violations. | | | | ORIZED AGENT | AREA CODE | NUMBER | YEAR | MO DAY | | | |
| COMMENTS AND EXPLANATION OF ANY | VIOLATIONS (Reference | ce all attachments he | ere) | | | | | | JUDE | | | | | | |
| Boron was sampled on 07/11/2007. | , | | • | | | | | | | | | | | | |

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

Page 1 of 1

| | MITTEE NAME/ADDRESS (Include Facility Name/Location if Different) TVA - SEQUOYAH NUCLEAR PLANT | | | NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) | | | | NI/AOON COMPANY | | | | |
|---|---|-------------------------|--|---|----------------------------|------------------|--------------------------------|--------------------|-----------|---------------|----------|--|
| Address P.O. BOX 2000 | | | | | | | (SUBR 01) | | U, | MB NO. 204 | J-0004 . | |
| (INTEROFFICE SB-2A) | | | The same of the sa | 0026450 | | 101 T | F-FINAL | | | | | |
| SODDY - DAISY TN 33 Facility TVA - SEQUOYAH NUCLE | | | PERM | IIT NUMBER | DISCHAR | RGE NUMBER | BIOMONITORING FOR OUTFALL 101 | | | | | |
| Location HAMILTON COUNTY | AR PLANT | | | MON | ITORING PERIOD | | EFFLUENT | | | | | |
| | | | YEAR | MO DA | Y YEAR | MO DAY | *** NO DISCHA | ARGE | *** | | | |
| ATTN: Stephanie A. Howard | | | From 07 | 09 0 | 1 To 07 | 09 30 | | L | | | | |
| PARAMETER | | OUA | NTITY OR LOADING | | Υ | QUALITY OR CO | | nstructions before | | FREQUENC | | |
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| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | 1 | ANALYSIS | | |
| IC25 STATRE 7DAY CHR CERIODAPHNIA | SAMPLE MEASUREMENT | ***** | ****** | ** | Monitoring Not Required | ****** | ***** | 23 | | | | |
| TRP3B 1 0 0 | PERMIT | ***** | ***** | *** | 45.2 | ***** | ****** | PERCENT | | SEE | COMPOS | |
| EFFLUENT GROSS VALUE | REQUIREMENT | | | | MINIMUM |] | . • | | | PERMIT | l . | |
| IC25 STATRE 7DAY CHR PIMEPHALES | SAMPLE MEASUREMENT | ***** | ****** | ** | Monitoring Not Required | ****** | ***** | 23 | | | | |
| TRP6C 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ****** | *** | 45.2 MIMINUM | ***** | ***** | PERCENT | | SEE PERMIT | COMPOS | |
| | SAMPLE MEASUREMENT | | | | William | | | | | | | |
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| | direction or supervis | ion in accordance with | a system designed to a | ssure that qualif | ied personnel | shanie a. | Loward | TELEPHO | NE - | | DATE | |
| Timothy P. Cleary | | | on submitted. Based on repersons directly respons | | | | ~ | | | | | |
| Site Vice President | information, the info | rmation submitted is, | to the best of my knowled there are significant penal | dge and belief, to | rue, | ncipal Environme | | 423 843 | -6700 | 07 | 10 10 | |
| TYPED OR PRINTED | | | and imprisonment for kn | | | FICER OR AUTHO | IPAL EXECUTIVE DRIZED AGENT | AREA NUI | MBER | YEAR | MO DAY | |
| COMMENTS AND EXPLANATION OF AN | NY VIOLATIONS (Reference | e all attachments he | are) | | | | | CODE | | | | |
| Toxicity was not sampled in Septem | | - an annomina H | , | | | | | | | | | |
| EPA Form 3320-1 (REV 3/99) P | Previous editions may be used | d | | | | | | | P | age 1 of | <u> </u> | |

| ame TVA - SEQUOYAH NUCLEAR PLANT | | | DIS | S/ MAJOR Form Appro (SUBR 01) OMB No. 2 | | | | | | | | |
|--|--|--|--|--|----------------|-------------------------------|-------------------------------|-------------|-------------|----------------|--------|--|
| Address P.O. BOX 2000 | | - - | | 0000450 | | 100.0 | • | _ | | | | |
| (INTEROFFICE SB-2A) | | | * ************************************ | 0026450 | | 103 G | F - FINAL | | | | | |
| SODDY - DAISY TN 373 Facility TVA - SEQUOYAH NUCLEAR | | - — | PERM | IIT NUMBER | DISCHAF | RGE NUMBER | LOW VOL. WASTE TREATMENT POND | | | | | |
| Location HAMILTON COUNTY | | - | | | TORING PERIOR | | EFFLUENT | | | | | |
| ATTN: Stephanie A. Howard | | | From 07 | MO DAY | | MO DAY 09 30 | *** NO DISCHA | ARGE [| *** | | | |
| | | | 110111 01 | 03 01 | 10 01 | 09 30 | NOTE: Read i | nstructions | before comp | leting this fo | rm. | |
| PARAMETER | | QUA | NTITY OR LOADING | | | QUALITY OR CO | NCENTRATION | | NO. | FREQUENC | SAMPLE | |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNI | | ANALYSIS | TYPE | |
| РН | SAMPLE MEASUREMENT | ***** | ***** | ** | 6.7 | ***** | 8.9 | 12 | 2 0 | 12 / 30 | GRAB | |
| 00400 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | ** | 6.0 MINIMUM | ***** | 9.0 MAXIMUN | SI | J | THREE | GRAB | |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | 79 | 132 | 26 | ****** | 12 | 14 | 15 | 9 0 | 4/30 | GRAB | |
| 00530 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 380 MO AVG | 1250 DAILY MX | LBS/DY | ***** | 30 MO AVG | 100 DAILY MX | MG | /L | WEEKL | GRAB | |
| OIL AND GREASE | SAMPLE MEASUREMENT | <40 | <65 | 26 | ***** | <6 | <6 | 19 | , 0 | 4/30 | GRAB | |
| 00556 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | 190 MO AVG | 250 DAILY MX | LBS/DY | ***** | 15 MO AVG | 20 DAILY MX | MG. | /L | WEEKLY | GRAB | |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | 1.048 | 1.380 | 03 | **** | ***** | ***** | ** | 0 | 30 / 30 | TOTALZ | |
| 50050 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | **** | ****** | ***** | | | SEE PERMIT | TOTALZ | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | · , ·. | *** ** : | | | | - | | |
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| NAME/TITLE PRINCIPAL EXECUTIVE OF | | | ument and all attachment | | under my (;) | 1 | | TEL | EPHONE | | DATE | |
| Timothy P. Cleary | properly gather an persons who mana | d evaluate the information age the system, or those | n a system designed to a on submitted, Based on r persons directly respons | ny inquiry of the paid | jthe | Shance () ncipal Environme | . Howard | | | | | |
| Site Vice President | accurate, and com | plete. I am aware that th | to the best of my knowled here are significant penal and imprisonment for kn | ties for submitting | false SIGN | ATURE OF PRINC | IPAL EXECUTIVE | 423 | 843-6700 | 07 | 10 10 | |
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EPA Form 3320-1 (REV 3/99)

Previous editions may be used

L-valve closed 09/18/2007 @ 0851 and opened 09/21/2007 @ 1209.

Page 1 of 1

| PERMITTI | EE NAME/ADDRESS (Include Facility Name/Location if Different) |
|----------|---|
| Name | TVA - SEQUOYAH NUCLEAR PLANT |
| Address | P.O. BOX 2000 |
| | (INTEROFFICE SB-2A) |
| | SODDY - DAISY TN 37384 |
| Facility | TVA - SEQUOYAH NUCLEAR PLANT |
| Location | HAMILTON COUNTY |

ATTN: Stephanie A. Howard

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DAY

01

MONITORING PERIOD

To | 07

MAJOR (SUBR 01) F - FINAL Form Approved.

OMB No. 2040-0004

TN0026450 PERMIT NUMBER

09

YEAR MO

07

From

107 G DISCHARGE NUMBER

09

YEAR MO

DAY

30

EFFLUENT

*** NO DISCHARGE

METAL CLEANING WASTE POND

NOTE: Read instructions before completing this form.

| PARAMETER | | QUAI | NTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|-----------------------|------------------|--------------------|-------|--------------------------|---------|-----------------|-------|-----------|-----------------------------|----------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS |] | ANALYSIS | |
| РН | SAMPLE MEASUREMENT | ***** | ***** | ** | | ***** | | 12 | | | |
| 00400 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | 6.0 MINIMUM | ***** | 9.0 MAXIMUM | SU | | DAILY | GRAB |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ****** | ***** | ** | **** | ***** | | 19 | | | |
| 00530 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ****** | **** | ***** | ***** | 30 DAILY MX | MG/L | | DAILY | COMPOS |
| OIL AND GREASE | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | | 19 | | | |
| 00556 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ****** | ***** | **** | ***** | ***** | 15 DAILY MX | MG/L | | DAILY | GRAB |
| PHOSPHORUS, TOTAL (AS P) | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | | 19 | | | |
| 00665 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 1.0 DAILY MX | MG/L | | DAILY | COMPOS |
| COPPER, TOTAL (AS CU) | SAMPLE MEASUREMENT | ****** | ***** | ** | ***** | ***** | | 19 | | | |
| 01042 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | *** | ***** | ***** | 1.0 DAILY MX | MG/L | 1/25 | DAILY. | خانات المحال |
| IRON, TOTAL (AS FE) | SAMPLE MEASUREMENT | ****** | ****** | ** | ***** | ***** | | 19 | | | |
| 01045 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 1.0 DAILY MX | MG/L | | DAILY | COMPOS |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | | | 03 | **** | ***** | ***** | ** | | | |
| 50050 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | **** | ***** | ***** | **** | | DAILY | CALCTD |

DATE TELEPHONE NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | 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 Timothy P. Cleary persons who manage the system, or those persons directly responsible for gathering the Principal Environmental Engineer 843-6700 07 10 10 423 information, the information submitted is , to the best of my knowledge and belief, true. Site Vice President SIGNATURE OF PRINCIPAL EXECUTIVE accurate, and complete. I am aware that there are significant penalties for submitting false МО DAY information, including the possibility of fine and imprisonment for knowing violations. OFFICER OR AUTHORIZED AGENT AREA NUMBER YEAR TYPED OR PRINTED CODE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No Discharge this Period

| PERMITTE | E NAME/ADDRESS (Include Facility Name/Location if Different) |
|----------|--|
| Name | TVA - SEQUOYAH NUCLEAR PLANT |
| Address | P.O. BOX 2000 |
| | (INTEROFFICE SB-2A) |
| | SODDY - DAISY TN 37384 |
| Facility | TVA - SEQUOYAH NUCLEAR PLANT |
| Location | HAMILTON COUNTY |

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

MAJOR (SUBR 01) F - FINAL

DAY

Form Approved. OMB No. 2040-0004

TN0026450 110 G DISCHARGE NUMBER PERMIT NUMBER

YEAR MO DAY

MONITORING PERIOD

YEAR MO

RECYCLED COOLING WATER

EFFLUENT

*** NO DISCHARGE

| ATTN: Stephanie A. Howard | | | From 07 | 09 01 | To 07 | 09 30 | *** NO DISCHAR | ١ | | | |
|---|-------------------------|------------------|--------------------|-------|----------------|----------------|--------------------------------|---------------|-----|----------------|--------|
| PARAMETER | | QUA | NTITY OR LOADING | | | QUALITY OR CON | NOTE: Read instr CENTRATION | uctions befor | NO. | FREQUENCY | SAMPLE |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | EX | OF ANALYSIS | TYPE |
| TEMPERATURE, WATER DEG. CENTIGRADE | SAMPLE MEASUREMENT | ***** | ***** | 04 | **** | ***** | | 04 | | | |
| 00010 Z 0 0 INSTREAM MONITORING | PERMIT REQUIREMENT | ***** | ***** | DEG C | ****** | ***** | 38.3 DAILY MX | DEG C | | DAILY | GRAB-4 |
| РН | SAMPLE MEASUREMENT | ***** | ***** | ** | | ***** | DAIL! IIIX | 12 | | | |
| 00400 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | 6.0 MINIMUM | ***** | 9.0 MAXIMUM | su | - | WEEKLY | GRAB |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ****** | ***** | ** | ***** | ***** | | 19 | | | |
| 00530 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ****** | ****** | 30 DAILY MX | MG/L | | DAILY | сомроз |
| OIL AND GREASE | SAMPLE MEASUREMENT | ***** | ****** | ** | ***** | ***** | | 19 | | | |
| 00556 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 15 DAILY MX | MG/L | | DAILY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | | | 03 | ***** | ****** | ****** | ** | | | |
| 50050 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | ***** | ***** | ***** | **** | | DAILY | CALCTD |
| CHLORINE, TOTAL RESIDUAL | . SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | | 19 | | | |
| 50060 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ****** | **** | ***** | ****** | 0.10 DAILY MX | MG/L | | WEEKLY | GRAB-4 |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | 1 11 13 | |

| | I Certify under penalty of law that this document and all attachments were prepared under my | 11 1 - 0 - 1 | TE | LEPHONE | T | DATE | |
|---------------------|---|----------------------------------|-----------|----------|--|------|-----|
| | 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 | Stephanie U. Deward | | | 1 | | |
| Site Vice President | 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, | Principal Environmental Engineer | 423 | 843-6700 | 07 | 10 | 10 |
| | 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. | SIGNATURE OF PRINCIPAL EXECUTIVE | | | | | |
| TYPED OR PRINTED | mornation, motioning the possibility of the and imprisonment for knowing violations. | OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | МО | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No Discharge this Period

| PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT | | | | HARGE ELIMINATION SYSTEM (NPDES) MAJOR ONITORING REPORT (DMR) (SUBR 01) | | | | | Form Approved. OMB No. 2040-0004 | | | | | |
|--|-----------------------|------------------------|--|---|---------------|----------------|---------------|---------------|-------------------------------------|--------|----------------|-----------------|-------------|--|
| Address P.O. BOX 2000 (INTEROFFICE SB-2A) | | | TN0026450 110 T | | | | | F - FINAL | | | | | | |
| | | | PERMI | | | | | | | | | | | |
| Facility TVA - SEQUOYAH NUCLEAR F | | 1 21 (1/1) | | | | RGE NUMBER | FFFLUENT | | | | | | | |
| Location HAMILTON COUNTY | | | YEAR | | ITORING F | | MO DAY | | | | | | | |
| ATTN: Stephanie A. Howard | | From 07 09 01 | | | 07 | 09 30 | *** NO DISCHA | ARGE XX | *** | | | | | |
| 711 TV. Otophanie A. Howard | | | | 00 0 | I To | | | NOTE: Read in | nstructions befor | e comp | leting this fo | rm | | |
| PARAMETER | | QUAN | ITITY OR LOADING | | | | QUALITY OR CO | NCENTRATION | | NO. | FREQUEN | | | |
| | | AVERAGE | MAXIMUM | UNITS | MINIM | UM | AVERAGE | MAXIMUM | UNITS | EX | ANALYSIS | TYPE | | |
| IC25 STATRE 7DAY CHR CERIODAPHNIA | SAMPLE MEASUREMENT | ***** | ****** | ** | | | ***** | ***** | 23 | | | | | |
| TRP3B 1 0 0 | PERMIT | ***** | ***** | **** | 45. | 2 | ****** | ***** | PERCENT | | SEMI | COMPOS | s | |
| EFFLUENT GROSS VALUE | REQUIREMENT | | | | MINIM | | | | | | ANNUA | | | |
| IC25 STATRE 7DAY CHR PIMEPHALES | SAMPLE MEASUREMENT | ***** | ***** | ** | | | ***** | ****** | 23 | | | | | |
| TRP6C 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | *** | 45.2 MINIM | | ****** | ***** | PERCENT | | SEMI | 51 | - 1 | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | - | | 17 5 6 7 4 A.A. | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | - | | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | |
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| | SAMPLE MEASUREMENT | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | | | | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER 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 | | | | | | | | 1/2. 24 / | TELEPH | ONE | | DATE | | |
| Timothy P. Cleary properly gather and evaluate the informal persons who manage the system, or those information, the information the information that information the information that is the informat | | | on submitted. Based on m persons directly respons to the best of my knowled | person or All Marce C | | ental Engineer | 423 84 | 3-6700 | 07 | 10 10 | | | | |
| Site Vice President | | | there are significant penalties for submitting false le and imprisonment for knowing violations. | | | | | | AREA NL | JMBER | YEAR | MO DAY | \parallel | |
| TYPED OR PRINTED | | | | | | | | | CODE | | , LAK | O DAT | | |
| COMMENTS AND EXPLANATION OF ANY V No Discharge this Period | 'IOLATIONS (Referen | nce all attachments he | ere) | | | | | | | | | | | |

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

No

| PERMITTEE NAME/ADDRESS (Include Invame TVA - SEQUOYAH NUCLE | | | IARGE ELIMINATION : | | MAJOR | orm Approved | | | | | | | | | |
|---|---------------------------------------|---|--|---|---------------|---------------------------------------|---------------------------|------------------|--------------------------|--|-----------------|--|--|--|--|
| Address P.O. BOX 2000 | | · | | | | | (SUBR 01) | | - | | | | | | |
| (INTEROFFICE SB-2A) | | | | 0026450 | | 116 G | F - FINAL | | | | | | | | |
| SODDY - DAISY TN 3738 | | | PERM | IIT NUMBER | R DISCHA | RGE NUMBER | BACKWASH | | | | | | | | |
| Facility TVA - SEQUOYAH NUCLEAR Location HAMILTON COUNTY | <u>PLANT</u> | | | MON | ITORING PERIO | n 1 | EFFLUENT | | | | | | | | |
| TAMIL TON COUNT | | | YEAR. | MO DA | | | | | | | | | | | |
| ATTN: Stephanie A. Howard | | | From 07 | | | 09 30 | ··· NO DISCHA | RGE | *** | | | | | | |
| TTV. Stephanie A. Howard | | | | | | | | | | nstructions before completing this form. | | | | | |
| PARAMETER | | QUA | NTITY OR LOADING | | T | QUALITY OR CO | ONCENTRATION | | NO. | FREQUENCY | SAMPLE | | | | |
| | | | | | | | | | EX | OF ANALYSIS | TYPE | | | | |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | 1 | | | | | | |
| DEBRIS, FLOATING (SEVERITY) | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | 0 | 9A | 0 | 1/30 | VISUAL | | | | |
| 1345 1 0 0 | PERMIT | ***** | ****** | **** | ****** | ****** | | BACC-0 | | SEE | VISUAL | | | | |
| | REQUIREMENT | ****** | ****** | | ****** | ****** | REPORT | PASS=0 FAIL=1 | - | | VISUAL | | | | |
| FFLUENT GROSS VALUE | | | | | | | MO TOTAL | - FAIL-1 | J | PERMIT | ļ | | | | |
| DIL AND GREASE VISUAL | SAMPLE MEASUREMENT | ****** | 0 | 94 | ****** | ***** | ***** | ** | 0 | 1 / 30 | VISUAL | | | | |
| 4066 1 0 0 | PERMIT | ****** | REPORT | YES=1 | ****** | ***** | ***** | **** | | SEE | VISUAL - | | | | |
| FFLUENT GROSS VALUE | REQUIREMENT | | MO TOTAL | NO=0 | | | · | | | PERMIT | 13.50% | | | | |
| | SAMPLE MEASUREMENT | · · · · · · · · · · · · · · · · · · · | WICTOTAL | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| | PERMIT REQUIREMENT | | | 1 | | , | | | | · | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | <u> </u> | | | | |
| | PERMIT REQUIREMENT | | | - | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | - | 74, 174. 111. 121. | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | - 4. | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | · · | | - | · = : | | | | | |
| IAME/TITLE PRINCIPAL EXECUTIVE OF | FICER Certify under pena | alty of law that this doc | cument and all attachment | ts were prepared | d under my | 1 (| 1 | TELEPHO | ONE | | ATE | | | | |
| Timothy P. Cleary | properly gather and persons who manag | l evaluate the informa- ge the system, or thos | th a system designed to a tion submitted. Based on a e persons directly respon | my inquiry of the sible for gatherir | ng the ´pı | phance U incipal Environm | Heward Jental Engineer | | | | | | | | |
| Site Vice President | accurate, and comp | lete. I am aware that t | to the best of my knowled there are significant penal re and imprisonment for kn | lties for submitting | ng false SIGN | ···· | CIPAL EXECUTIVE | | 3-6700 MBER | | 10 10 MO DAY | | | | |
| TYPED OR PRINTED | | | | | | | | CODE | | | | | | | |
| DMMENTS AND EXPLANATION OF ANY perations performs visual inspections | | | | hes. | | | | | | | | | | | |
| | | | * | | | | | | | | | | | | |
| PA Form 3320-1 (REV 3/99) Prev | ∕ious editions may be use | ed | | | | | | | Р | age 1 of 1 | | | | | |

| PERMITTEE NAME/ADDRESS (Include I | | Different) | | UTANT DISCHA | | | YSTEM (NPDES) r (DMR) | MAJOR (SUBR 01) | | | orm Approve MB No. 2040 | | |
|--|---|---------------------------|---|-------------------|-----------|--------|---|--------------------|------------------|-----------|----------------------------|------|------------------|
| Address P.O. BOX 2000 (INTEROFFICE SB-2A) | | | TNO | 0026450 | | | 117 G | F - FINAL | | | | | |
| SODDY - DAISY TN 3738 | | . | | IT NUMBER | DI | SCHAR | GE NUMBER | BACKWASH | | | | | |
| Facility TVA - SEQUOYAH NUCLEAR Location HAMILTON COUNTY | | | | | TORING I | | | EFFLUENT | | | | | |
| | | | YEAR | | | YEAR | MO DAY | *** NO DISCH | ABCE [| *** | | | |
| ATTN: Stephanie A. Howard | | | From 07 | 09 01 | To | 07 | 09 30 | | L | J | | | |
| | | | | | | | | | nstructions befo | | , | | |
| PARAMETER | | QUA | INTITY OR LOADING | | | | QUALITY OR CO | NCENTRATION | | NO. EX | FREQUENC OF | SAM | |
| | | AVERAGE | MAXIMUM | UNITS | MINIM | IUM | AVERAGE | MAXIMUM | UNITS | | ANALYSIS | | |
| DEBRIS, FLOATING (SEVERITY) | SAMPLE MEASUREMENT | ***** | ***** | ** | **** | *** | ****** | 0 | 9A | 0 | 1 / 30 | VISI | JAL |
| 01345 1 0 0 | PERMIT | ***** | ***** | **** | **** | *** | ***** | REPORT | PASS=0 | | SEE | VISI | JAL |
| EFFLUENT GROSS VALUE | REQUIREMENT | | | | | • | • | MO TOTA | FAU -4 | | PERMIT | | |
| OIL AND GREASE VISUAL | SAMPLE MEASUREMENT | ***** | 0 | 94 | **** | *** | ****** | ****** | ** | 0 | 1/30 | VISU | JAL |
| | | | | | | | | | | | | | |
| 84066 1 0 0 EFFLUENT GROSS VALUE | PERMIT . REQUIREMENT | ***** | REPORT MO TOTAL | YES=1 NO=0 | **** | *** | ****** | , ******* | **** | | SEE PERMIT | VISI | JAL |
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| | PERMIT REQUIREMENT | | | | | | | | | | | | |
| | | | | L | | | | 1 | | | | 1 | |
| NAME/TITLE PRINCIPAL EXECUTIVE OF | | | | | | 61 | <u>(· </u> | 1 | TELEPH | ONE | 1 | DATE | |
| Timothy P. Cleary | properly gather and | f evaluate the informa | ith a system designed to as ition submitted. Based on n se persons directly respons | ny inquiry of the | person or | | | | | | | | |
| Site Vice President | , to the best of my knowledge and belief, tr there are significant penalties for submittin | | rue, ng false SIGNATURE OF PRING | | | 423 84 | 3-6700 | 07 | 10 | 10 | | | |
| TYPED OR PRINTED | information, includi | ng the possibility of fir | ne and imprisonment for kn | owing violations | i. | OF | FICER OR AUTHO | DRIZED AGENT | AREA N | JMBER | YEAR | МО | DAY |
| COMMENTS AND EXPLANATION OF ANY | VIOLATIONS (Referent | ce all attachments i | herel | | | | | | CODE | | | | |
| Operations performs visual inspections | | | | ies | | | | | | | | | |
| | g dobing diff | _ 5 aa g.casc | | , | | | | | | | | | |
| EPA Form 3320-1 (REV 3/99) Prev | rious editions may be use | ed | | | | | | | | F | age 1 of | | |

| PERMITTE NAME/ADDRESS (Include Facility Name/Location of Different) Name TVA - SEQUOYAH NUCLEAR PLANT Address P.O. BOX 2000 | | | NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (SUBR 01) | | | | | | Form Approved, OMB No. 2040-0004 | | | | |
|---|-----------------------|---------------------|---|--------------------|-----------------|---------------|------------------------------------|-----------|-------------------------------------|-----------------|--------|--|--|
| (INTEROFFICE SB-2A) SODDY - DAISY TN 37384 | | ~ | | 026450 T NUMBER | DISCHAR | 118 G | F - FINAL WASTEWATER & S | TORM WA | TER | | | | |
| Facility TVA - SEQUOYAH NUCLEAR F Location HAMILTON COUNTY | PLANT | | YEAR | MONI MO DA | TORING PERIOD | | EFFLUENT | | | | | | |
| ATTN: Stephanie A. Howard | | | From 07 | 09 01 | | 09 30 | *** NO DISCHARO NOTE: Read instru | لــــا | | eting this forn | n. | | |
| PARAMETER | | QUANTITY OR LOADING | | | | QUALITY OR CO | INCENTRATION | NO. EX | FREQUENCY OF | SAMPLE TYPE | | | |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | ANALYSIS | | | |
| DXYGEN, DISSOLVED (DO) | SAMPLE MEASUREMENT | ***** | ***** | ** | | ****** | ****** | 19 | | | | | |
| 00300 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | *** | 2.0 DAILY MN | ***** | ***** | MG/L | | TWICE/ WEEK | GRAB | | |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | | 19 | | | | | |
| 0530 1 0 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 100 DAILY MX | MG/L | | TWICE/ WEEK | GRAB | | |
| SOLIDS, SETTLEABLE | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | ***** | | 25 | | | | | |
| 0545 1 0 0 FFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | ***** | 1.0 DAILY MX | ML/L | | ONCE/ MONTH | GRAB | | |
| LOW, IN CONDUIT OR THRU REATMENT PLANT | SAMPLE MEASUREMENT | | | 03 | ***** | ***** | ***** | ** | | | | | |
| 0050 1 0 0 FFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | ***** | ***** | ***** | * | | ONCE/ BATCH | ESTIMA | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | × 14 | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | |
| • | PERMIT REQUIREMENT | | | | | | | 1 | | = | 1. No. | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | İ | | | | | | | | | |

Stephanie a Mercand direction or supervision in accordance with a system designed to assure that qualified personnel Timothy P. Cleary properly gather and evaluate the information submitted. Based on my inquiry of the person or Principal Environmental Engineer persons who manage the system, or those persons directly responsible for gathering the 423 843-6700 07 10 10 information, the information submitted is , to the best of my knowledge and belief, true, Site Vice President accurate, and complete. I am aware that there are significant penalties for submitting false SIGNATURE OF PRINCIPAL EXECUTIVE information, including the possibility of fine and imprisonment for knowing violations. OFFICER OR AUTHORIZED AGENT AREA NUMBER YEAR МО DAY TYPED OR PRINTED CODE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

During this reporting period, there has been no flow from the Dredge Pond other than that resulting from rainfall.