

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

February 10, 2016

Ms. Angela Hall
Tennessee Department of Environment
and Conservation
Division of Water Resources
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Dear Ms. Hall:

TENNESSEE VALLEY AUTHORITY (TVA) - SEQUOYAH NUCLEAR PLANT (SQN) - NPDES PERMIT NO. TN0026450 - DISCHARGE MONITORING REPORT (DMR) FOR January 2016

Enclosed is the January 2016 Discharge Monitoring Report for Sequoyah Nuclear Plant. There were no exceedances during the monitoring period. If you have any questions or need additional information, please contact Millicent Garland by email at mrmoore@tva.gov or by phone at (423) 843-6714.

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.

Sincerely,

Christopher J. Schwarz Site Vice President Sequoyah Nuclear Plant

Enclosures cc (Enclosures):

Chattanooga Environmental Field Office 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, DC 20555

> IE25 NRR

| PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT | NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDE: DISCHARGE MONITORING REPORT (DMR) | ^(S) MAJOR (SUBR 01) |
|---|---|-----------------------------------|
| Address P.O. BOX 2000 (INTEROFFICE OPS-5N-SQN) | TN0026450 101 G | F-FINAL |
| SODDY - DAISY, TN 37384 | PERMIT NUMBER DISCHARGE NUMBER | DIFFUSER DISCHARGE |
| Facility TVA - SEQUOYAH NUCLEAR PLANT Location HAMILTON COUNTY | MONITORING PERIOD | EFFLUENT |
| ATTN:Millicent Garland | From 16 01 01 To 16 01 31 | *** NO DISCHARGE *** |

| | | _ | <u></u> | | | | NOTE: Read instr | uctions befor | e compl | eting this forr | n |
|---|-----------------------|---------------------|------------------|-------------|--------------------------|---------------|------------------------|---------------|-----------|-----------------------------|----------------|
| PARAMETER | | QUAN | ITITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | ANALYSIS | |
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| 50050 1 0 EFFLUENT GROSS | PERMIT REQUIREMENT | ****** | Reg. Mon. | MGD | ******* | ****** | ****** | *** | 7 | CONTI | RCORDR |
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| 50050 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | Req. Mon. MO AVG | ***** | MGD | ***** | ****** | ***** | MGD | | CONTI NUOUS | CALCTD |
| CHLORINE, TOTAL RESIDUAL | SAMPLE MEASUREMENT | ****** | ***** | ** | ****** | 0.022 | 0.037 | 19 | 0 | 21 / 31 | GRAB |
| 50060 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | *** | ****** | 0.1 MO AVG | 0.1 DAILY MAX | MG/L | | FIVE PER WEEK | CALCTD |
| TEMPERATURE - C, RATE OF CHANGE | SAMPLE MEASUREMENT | ***** | 0.1 | 62 | ****** | ****** | | ** | 0 | 31 / 31 | CALCTD |
| 82234 1 0 EFFLUENT GROSS | PERMIT REQUIREMENT | ******* | 2.0 DAILY MX | DEG C/HR | ****** | ***** | ***** | *** | | CONTI | CALCTD |

| | | 2.5 | TE | LEPHONE | | DATE | |
|------------------------|---|----------------------------------|--------------|----------|-------|------|-----|
| Christopher J. Schwarz | 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, | Site Vice President | 423 | 843-7001 | 16 | 02 | 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 | | | \(-\) | 140 | DAY |
| TYPED OR PRINTED | and madely, including the possibility of the drift imprisorment of knowing violations. | OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | МО | DAY |

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

No closed mode operation. The following injection occurred: Floguard MS6236 (max calc. was 0.03 mg/L, limit 0.20 mg/L).

Form Approved.
OMB No. 2040-0004

| PERMITTEE NAME/ADDRESS (Include Fa Name TVA - SEQUOYAH NUCLEA | if Different) | NATIONAL POLLU DISC | ⁾ MAJOR (SUBR 01) | | | orm Approve MB No. 2040 | | | | | | |
|--|--|--|---|--|--------------------------------------|----------------------------|-------------------------|-----------------|--------------------|----------------|--------|-------------|
| Address P.O. BOX 2000 (INTEROFFICE OPS-5N-SQN) SODDY : DAISY, TN 37384 | | - - | | 026450 г NUMBER | DISCL | 101 T ARGE NUMBER | F - FINAL BIOMONITORING | FOR OUTE | ۱۱ مارد ۱۱ مارد | 1 | | |
| Facility TVA - SEQUOYAH NUCLEAR P | LANT | | FERIVIT | | ITORING PERI | | EFFLUENT | 10100117 | ALL IO | • | | |
| Location HAMILTON COUNTY | | | | MO DA | Y YEA | R MO DAY | *** NO DISCHA | RGF | *** | | | |
| ATTN:Millicent Garland | | | From 16 | 01 0 | 1 To 16 | 01 31 | NOTE: Read in | | e compl | eting this for | m. | |
| PARAMETER | | QUAN | ITITY OR LOADING | | | QUALITY OR C | CONCENTRATION | | NO. | FREQUENC | Y SAMI | |
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| | PERMIT REQUIREMENT | | | | | | | | | | | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFI | CER I Certify under ne | enalty of law that this docu | ument and all attachments | Were prepared | d under my | | | TELEPHO | ONE | T - | DATE | |
| Christopher J. Schwarz | direction or supe | ervision in accordance with | h a system designed to ass e information submitted. B | sure that qualit | fied | Lahu | ~ | | | 1 | | |
| Site Vice President | person or person the information, t accurate, and co | ns who manage the system the information submitted i implete. I am aware that th | m, or those persons directly is , to the best of my knowl nere are significant penaltic | y responsible t ledge and beli es for submitti | for gathering ief, true, ng false SI | | ICIPAL EXECUTIVE | | 3-7001 | 16 | | 10 |
| TYPED OR PRINTED | | | and imprisonment for kno | wing violation | IS. | OFFICER OR AUTI | HORIZED AGENT | AREA NU CODE | IMBER | YEAR | MO [| DAY |
| OMMENTS AND EXPLANATION OF ANY V | IOLATIONS (Refere | ence all attachments hi | ere) | | | | | | | | | |

EPA Form 3320-1 (REV 3/99)

Toxicity was not sampled in January 2016.

Previous editions may be used

| PERMITTEE NAME/ADDRESS (Include F Name TVA - SEQUOYAH NUCLE | | TANT DISCH | r (DMR) | MAJOR (SUBR 01) | | | Form Approved. OMB No. 2040-0004 | | | | | |
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| Address P.O. BOX 2000 | | | TNO | 026450 | | | - FINAL | | | | • | |
| (INTEROFFICE OPS-5N-SQN) SQDDY - DAISY, TN 37384 | | | | 026450 | DISCUAR | 100 0 | | TOEATME | NIT DOP | ID | | • |
| Facility TVA - SEQUOYAH NUCLEAR F | PLANT | | PERMIT NUMBER DISCHARGE NUMBER LOW VOL. WASTE TREATMENT POND | | | | | | | | | |
| Location HAMILTON COUNTY | | | | | ITORING PERIOD | | FFLUENT | | | | | |
| ATTN:Millicent Garland | | ř | From 16 | MO DA 01 01 | MO DAY 01 31 | *** NO DISCHARGE *** | | | | | | |
| PARAMETER | | 01144 | TITY OR LOADING | | | NOTE: Read instructions b | | | | | | ani c |
| PARAMETER | | QUAN | ITITY OR LOADING | | | QUALITY OR CON | ENTRATION | | NO. | FREQUENC OF | T. | VIPLE YPE |
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| 00400 1 0 | PERMIT | ***** | **** | ** | 6.0 | ***** | 9.0 | SU | | ONCE/ | GI | RAB |
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| 00530 1 0 EFFLUENT GROSS | REQUIREMENT | | | ~~ | | 30.0 | 100.0 | MG/L | 70, 20 | ONCE/ | l Gr | RAB |
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| OIL AND GREASE | MEASUREMENT | ****** | | ** | ******* | <5.0 | <5.0 | 19 | 0 | 1/31 | G | RAB |
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| NAME/TITLE PRINCIPAL EXECUTIVE OFF | CER Certify under pe | enalty of law that this docu | ment and all attachments | were prepared | d under my | | | TELEPHO | ONE | | DATE | |
| Christopher J. Schwarz | direction or super | rvision in accordance with | a system designed to ass information submitted. Ba | sure that qualif | fied | / Silan | | | | | | |
| officiophor of conwain | person or person | s who manage the systen | i, or those persons directly | / responsible f | for gathering | Site Vice Pres | ident | 123 843 | 3-7001 | 16 | 02 | 10 |
| Site vice President accurate, and complete. I am aware that the | | | is , to the best of my knowledge and belief, true, here are significant penalties for submitting false SIGNATURE OF PR | | | | RE OF PRINCIPAL EXECUTIVE | | | | | |
| TYPED OR PRINTED | intormation, inclu | aing the possibility of fine | and imprisonment for kno | wing violations | s. OF | FICER OR AUTHOR | | REA NU | MBER | YEAR | MO | DAY |
| OMMENTS AND EXPLANATION OF ANY L | IOI ATIONS (Potore | nco all attachmente he | ara) | | | | | | | | | |

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

| PERMITTE | E NAME/ADDRESS (Include Facility Name/Location if Different) |
|-----------------|--|
| Name | TVA - SEQUOYAH NUCLEAR PLANT |
| Address | P.O. BOX 2000 |
| | (INTEROFFICE OPS-5N-SQN) |
| | SODDY - DAISY, TN 37384 |
| <u>Facility</u> | TVA - SEQUOYAH NUCLEAR PLANT |
| Location | HAMILTON COUNTY |
| | |

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

TN0026450 PERMIT NUMBER

| 110 G | |
|-----------------|----|
| DISCHARGE NUMBI | -R |

Form Approved. OMB No. 2040-0004

| (SUBR 01) | |
|-----------|--|
| F - FINAL | |

RECYCLED COOLING WATER

EFFLUENT

MAJOR

*** NO DISCHARGE

| | VV. |] | | | | |
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| ATTN:Millicent Garland From 16 01 01 10 16 01 31 NOTE: Read instructions before completing | | | | | | | | | leting this forr | n. | |
|--|-----------------------|---------|--|-------|---------|-----------------|--------------------|-------|------------------|------------------|--------|
| PARAMETER | | QUAN | TITY OR LOADING | | | QUALITY OR CONC | ENTRATION | | NO. | FREQUENCY OF | SAMPLE |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | ANALYSIS | |
| TEMPERATURE, WATER DEG. CENTIGRADE | SAMPLE MEASUREMENT | ****** | ***** | ** | ***** | ***** | | 04 | | | |
| 00010 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ******* | ************************************** | ** | ***** | ****** | REPORT DAILY MX | DEG C | 100 | CONTIN | CALCTD |
| TEMPERATURE, WATER DEG. CENTIGRADE | SAMPLE MEASUREMENT | ****** | ****** | ** | ***** | ***** | | 04 | | | |
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| TEMP. DIFF. BETWEEN SAMP. & UPSTRM DEG.C | SAMPLE MEASUREMENT | ****** | ***** | ** | ****** | ***** | | 04 | | | |
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| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | | 03 | ****** | ***** | ***** | ** | | | |
| 50050 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | Req. Mon. DAILY MX | MGD | ****** | ****** | ****** | ** | | CONTIN | RCORDR |
| CHLORINE, TOTAL RESIDUAL | SAMPLE MEASUREMENT | ***** | ***** | ** | ***** | | | 19 | | | |
| 50060 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | **** | ***** | ** | ****** | 0.1 MO AVG | 0.1 DAILY MX | MG/L | n di | Five per Week | CALCTD |
| TEMPERATURE - C, RATE OF CHANGE | SAMPLE MEASUREMENT | ***** | | 04 | ****** | ***** | ***** | ** | | | |
| 82234 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | 2 DAILY MX | DEG C | ***** | ***** | **** | ** | | CONTIN. UOUS | CALCTD |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| | 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 | 2.40 | TE | LEPHONE | | DATE | |
|------------------------|---|---|--------------|----------|------|------|-----|
| Christopher J. Schwarz | 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, | Sité Vice Président | 423 | 843-7001 | 16 | 02 | 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 | AREA CODE | NUMBER | YEAR | МО | DAY |

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

No Discharge this Period

| PERMITTEE NAME/ADDRESS (Include In Name TVA - SEQUOYAH NUCLE Address P.O. BOX 2000 | | f Different) | DISCHARGE MONITORING REPORT (DMR) (SUBR 01) | | | | | | | | d. 0-0004 |
|--|---|---|--|---|--------------------------------------|-----------------|-----------------------------------|----------|----------------|----------------|--------------|
| (INTEROFFICE OPS-5N-SQN) SODDY - DAISY, TN 37384 Facility TVA - SEQUOYAH NUCLEAR | | | The state of the s | 026450 T NUMBER | DISCHAR | 110 | : - FINAL RECYCLED COOLII | NG WATER | l. | | |
| Location HAMILTON COUNTY | | - <u></u> | LVE 4 D. L | | TORING PERIOD | | FFLUENT | | | | |
| ATTN:Millicent Garland | | | From 16 01 01 To 16 | | | | *** NO DISCHARGE NOTE: Read instr | | *** e compl | eting this for | m. |
| PARAMETER | | QUAN | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. | FREQUENC' | |
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | ANALYSIS | |
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| IC25 STATRE 7DAY CHR PIMEPHALES | SAMPLE MEASUREMENT | ****** | ***** | ** | | ***** | ****** | 23 | | | |
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| NAME/TITLE PRINCIPAL EXECUTIVE OF | FICER I Certify under ser | nally of law that this docu | ment and all attachments | ware prenared | t under my | | | TELEPHO |)NF | г | DATE |
| Christopher J. Schwarz | direction or super | vision in accordance with | a system designed to as: information submitted. B | sure that qualif | ied /2 | Alexan- | <u> </u> | ILLEFIC | | | |
| Site Vice President | person or persons the information, the accurate, and com- | s who manage the system he information submitted in higher in am aware that the | n, or those persons directles, to the best of my know ere are significant penalti | ly responsible for Idedge and belic ies for submittir | or gathering ef, true, ng false SIGN | Site Vice Pres | AL EXECUTIVE | 123 843 | -7001 | | 02 10 |
| TYPED OR PRINTED | information, include | ding the possibility of fine | and imprisonment for kno | owing violations | s. OF | FICER OR AUTHOR | | REA NU | MBER | YEAR | MO DAY |

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

No Discharge this Period

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

Page 1 of 1

| PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT | | | NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) | | | | MAJOR (SUBR 01) | | | Form Approved. OMB No. 2040-0004 | | | |
|--|------------------------|------------------------------|---|------------------------|-----------------|----------------------|--------------------|----------------|-----------------|-------------------------------------|----------------|-------|--|
| Address P.O. BOX 2000 | | | TN0026450 118 G | | | | F-FINAL | | | | | | |
| SODDY - DAISY, TN 37384 | | | | T NUMBER | R DISCH | HARGE NUMBER | WASTEWATER & S | STORM WA | TER | | | | |
| Facility TVA - SEQUOYAH NUCLEAR F Location HAMILTON COUNTY | LANT | | | MON | ITORING PER | | EFFLUENT | | | | | | |
| ATTN:Millicent Garland | | | From 16 | MO DA | | AR MO DAY 6 01 31 | *** NO DISCHAR | GE XX | *** | | | | |
| AT TAINING TO GAILANG | | | | <u> </u> | | 0. 0. | NOTE: Read inst | ructions befor | re compl | eting this for | m. | | |
| PARAMETER | | QUANTITY OR LOADING | | QUALITY OR CO | | CONCENTRATION | ONCENTRATION | | FREQUENCY OF | TY | SAMPLE TYPE | | |
| | | AVERAGE | MAXIMUM UNITS | | MINIMUM AVERAGE | | MAXIMUM UNITS | | | ANALYSIS | | | |
| OXYGEN, DISSOLVED (DO) | SAMPLE MEASUREMENT | ****** | ***** | ** | | ***** | * ***** | 19 | | | | | |
| 00300 1 0 EFFLUENT GROSS | PERMIT REQUIREMENT | ****** | ***** | *** | 2 MINIMUR | - 1 Table 25 V | ******* | MG/L | | TWICE/ WEEK | 1 - 1 | AB. | |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ****** | ***** | ** | ****** | **** | * | 19 | | | | | |
| 00530 1 0 - EFFLUENT GROSS | PERMIT REQUIREMENT | ****** | **** | **** | ****** | ***** | * 100 DAILY MX | MG/L | | TWICE/ WEEK | GR | AB | |
| SOLIDS, SETTLEABLE | SAMPLE MEASUREMENT | ****** | ***** | ** | ****** | ***** | * | 25 | | | | - | |
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| LOW, IN CONDUIT OR THRU REATMENT PLANT | SAMPLE MEASUREMENT | | | 03 | ****** | ***** | | ** | | | | | |
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| NAME/TITLE PRINCIPAL EXECUTIVE OFF | CFR Certify under pe | enalty of law that this docu | ument and all attachments | Were prepare | d under mv | | | TELEPH | ONF | | DATE | | |
| Christopher J. Schwarz | | | n a system designed to ass e information submitted, B | ified iquiry of the | of the Children | | | | | | - | | |
| Site Vice President the information, the information submitted accurate, and complete. I am aware that the information is the information in the information in the information is the information in the information is the information in the i | | | it, or those persons directly responsible to garrent is, to the best of my knowledge and belief, true, here are significant penalities for submitting false a and imprisonment for knowing violations. | | | Site vice Freatuent | | 423 843-7001 | | 16 | | 10 | |
| TYPED OR PRINTED | intro-mation, idea | and the begaining of title | - and improvement of Mic | | | OFFICER OR AUT | | REA NU | JMBER | YEAR | МО | DAY | |
| OMMENTS AND EXPLANATION OF ANY W | IOLATIONS (Refere | nce all attachments he | ere) | | | | | | | | | | |

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

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