

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

(2-16) TN0026450  
PERMIT NUMBER

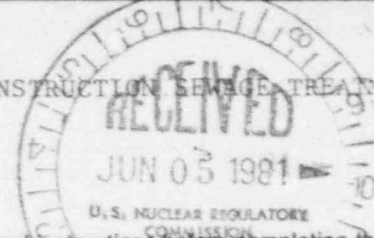
(12-19) 001  
DISCHARGE NUMBER

MONITORING PERIOD

| YEAR | MO | DAY | YEAR | MO | DAY |
|------|----|-----|------|----|-----|
| 81   | 02 | 01  | 81   | 03 | 01  |

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

CONSTRUCTION SEWAGE TREATMENT PLANT



NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)      |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |         | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | UNITS    | NO. EX<br>(62-63) | FREQUENCY<br>OF ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|---------------------------|--------------------|-------------------------------------------------|---------|---------|------------------------------------------------------|---------|---------|----------|-------------------|-------------------------------------|---------------------------|
|                           |                    | AVERAGE                                         | MAXIMUM | UNITS   | MINIMUM                                              | AVERAGE | MAXIMUM |          |                   |                                     |                           |
| FLOW                      | SAMPLE MEASUREMENT | 0.003                                           | 0.021   | MGD     |                                                      |         |         |          | 0                 | 30/30                               | WEIR                      |
|                           | PERMIT REQUIREMENT | 0.030                                           | NA      |         |                                                      |         |         |          |                   | 1/1                                 | WEIR                      |
| EFFLUENT BOD <sub>5</sub> | SAMPLE MEASUREMENT | 0.54                                            | 0.92    | LBS/DAY | 2.6                                                  | 5.5     | 8.4     | MG/L     | 0                 | 2/30                                | GR                        |
|                           | PERMIT REQUIREMENT | 7.5                                             | 11.0    |         | NA                                                   | 30      | 45      |          |                   | 2/30                                | GR                        |
| EFFLUENT SUSPENDED SOLIDS | SAMPLE MEASUREMENT | 0.84                                            | 1.1     | LBS/DAY | 10                                                   | 10      | 10      | MG/L     | 0                 | 2/30                                | GR                        |
|                           | PERMIT REQUIREMENT | 7.5                                             | 11.0    |         | NA                                                   | 30      | 45      |          |                   | 2/30                                | GR                        |
| SETTLEABLE SOLIDS         | SAMPLE MEASUREMENT |                                                 |         |         | <0.1                                                 | <0.1    | <0.1    | ML/L     | 0                 | 28/30                               | GR                        |
|                           | PERMIT REQUIREMENT |                                                 |         |         | NA                                                   | NA      | 1.0     |          |                   | 1/1                                 | GR                        |
| TOTAL CHLORINE RESIDUAL   | SAMPLE MEASUREMENT |                                                 |         |         | 0.4                                                  | 0.7     | 2.5     | MG/L     | 0                 | 28/30                               | GR                        |
|                           | PERMIT REQUIREMENT |                                                 |         |         | NA                                                   | NA      | NA      |          |                   | 1/1                                 | GR                        |
| FECAL COLIFORM            | SAMPLE MEASUREMENT |                                                 |         |         | 920                                                  | >1,356  | >2,000  | N/100 ML | 0                 | 2/30                                | GR                        |
|                           | PERMIT REQUIREMENT |                                                 |         |         | NA                                                   | NA      | NA      |          |                   | 2/30                                | GR                        |
| pH                        | SAMPLE MEASUREMENT |                                                 |         |         | 5.8                                                  |         | 6.9     | UNITS    | 2                 | 28/30                               | GR                        |
|                           | PERMIT REQUIREMENT |                                                 |         |         | 6.0                                                  |         | 9.0     |          |                   | 1/7                                 | GR                        |

THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1011 AND 13 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

*M. T. El-Ashry*  
SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE

|                     |          |    |     |    |
|---------------------|----------|----|-----|----|
| FTS<br>AREA<br>CODE | 857-3173 | 81 | 05  | 28 |
| NUMBER              | YEAR     | MO | DAY |    |

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

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON MARCH 3, 1981.

8106080093

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
001  
DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(46-53) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| DISSOLVED OXYGEN     | SAMPLE MEASUREMENT |                                                 |         |       | 0.5                                                  | 2.6     | 6.0     | 4                    | 28/30                                  | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 1.0                                                  | NA      | NA      |                      | 1/1                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |          |      |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    |          | DATE |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | 857-3173 | 81   | 05 | 28 |

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON MARCH 3, 1981, AND REVISED ON MARCH 11, 1981.

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
 FACILITY SEQUOYAH NUCLEAR PLANT  
 LOCATION SODDY, TN 37379

 (2-16) TN0026450  
 PERMIT NUMBER  
 (17-19) 002  
 DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

 MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 81 02 01 TO 81 03 01  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                | X                  | (1 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | (4 Card Only)<br>(18-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |                                                              | NO.<br>EX<br>(62-69) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|---------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------------------------------------------------|---------|--------------------------------------------------------------|----------------------|----------------------------------------|---------------------------|-------|
|                                                                     |                    | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MAXIMUM | UNITS   | MINIMUM                                                              | AVERAGE | MAXIMUM                                                      |                      |                                        |                           | UNITS |
| FLOW                                                                | SAMPLE MEASUREMENT | 0.009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.028   | MGD     |                                                                      |         |                                                              |                      | 31/30                                  | WEIR                      |       |
|                                                                     | PERMIT REQUIREMENT | 0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA      |         |                                                                      |         |                                                              |                      | 1/1                                    | WEIR                      |       |
| EFFLUENT BOD <sub>5</sub>                                           | SAMPLE MEASUREMENT | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.2     | LBS/DAY | <1.0                                                                 | <20     | 55                                                           | MG/L                 | 1                                      | 2/30                      | GR    |
|                                                                     | PERMIT REQUIREMENT | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.6     |         | NA                                                                   | 30      | 45                                                           |                      |                                        | 2/30                      | GR    |
| EFFLUENT SUSPENDED SOLIDS                                           | SAMPLE MEASUREMENT | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.0     | LBS/DAY | 8.0                                                                  | 19      | 34                                                           | MG/L                 | 0                                      | 2/30                      | GR    |
|                                                                     | PERMIT REQUIREMENT | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.6     |         | NA                                                                   | 30      | 45                                                           |                      |                                        | 2/30                      | GR    |
| SETTLABLE SOLIDS                                                    | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | <0.1                                                                 | <1.5    | 40                                                           | ML/L                 | 1                                      | 28/30                     | GR    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | NA                                                                   | NA      | 1.0                                                          |                      |                                        | 1/1                       | GR    |
| TOTAL CHLORINE RESIDUAL                                             | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 0.0                                                                  | 0.7     | 1.8                                                          | MG/L                 | 0                                      | 29/30                     | GR    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | NA                                                                   | NA      | 2.0                                                          |                      |                                        | 1/1                       | GR    |
| FECAL COLIFORM                                                      | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 10                                                                   | >447    | >20,000                                                      | N/100 ML             | 0                                      | 2/30                      | GR    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | NA                                                                   | NA      | NA                                                           |                      |                                        | 2/30                      | GR    |
| pH                                                                  | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 6.0                                                                  |         | 8.2                                                          | UNITS                | 0                                      | 28/30                     | GR    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 6.0                                                                  |         | 9.0                                                          |                      |                                        | 1/7                       | GR    |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. |         |         |                                                                      |         | TELEPHONE                                                    |                      | DATE                                   |                           |       |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                                                                      |         | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |                      | FTS<br>ARPA<br>CQ2E                    | 857-3173                  | 81    |
| TYPED OR PRINTED                                                    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                                                                      |         | NUMBER                                                       |                      | YEAR MO DAY                            |                           |       |

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

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON FEBRUARY 27, 1981. HOWEVER, THE NONCOMPLIANCE STATEMENT INCORRECTLY LISTED THE DISCHARGE NUMBER AS 001, INSTEAD OF DISCHARGE NUMBER 002.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
002  
DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 02 DAY 02 TO YEAR 81 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(58-65) QUALITY OR CONCENTRATION<br>(66-73) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |       |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|--------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                      | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| DISSOLVED OXYGEN     | SAMPLE MEASUREMENT |                                                         |         |       | 0.8                                                          | 3.3     | 6.0     | MG/L                 | 1                                      | 28/30                     | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       | 1.0                                                          | NA      | NA      |                      | 1/1                                    | GR                        |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |       |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |          |      |    |    |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE           |          | DATE |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FTS<br>AREA<br>CODE | 857-3173 | 81   | 05 | 28 |
| TYPED OR PRINTED                                                    | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |          |      |    |    |

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

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON FEBRUARY 27, 1981. HOWEVER, THE NONCOMPLIANCE STATEMENT INCORRECTLY LISTED THE DISCHARGE NUMBER AS 001, INSTEAD OF DISCHARGE NUMBER 002.



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER TN0026450  
DISCHARGE NUMBER 003

OPERATIONAL SEWAGE TREATMENT PLANT

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 02 | 01  |

 TO 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 03 | 01  |

  
(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                                                           |                    | (3 Card Only)<br>(46-51) QUANTITY OR LOADING<br>(54-61)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63)                                         | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |          |
|----------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------------------------------------------------|---------|---------|--------------------------------------------------------------|----------------------------------------|---------------------------|----------|
|                                                                                                                |                    | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MAXIMUM | UNITS   | MINIMUM                                                              | AVERAGE | MAXIMUM |                                                              |                                        |                           | UNITS    |
| FLOW                                                                                                           | SAMPLE MEASUREMENT | 0.009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.020*  | MGD     |                                                                      |         |         | 0                                                            | 28/30                                  | WEIR                      |          |
|                                                                                                                | PERMIT REQUIREMENT | 0.0149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA      |         |                                                                      |         |         |                                                              | 1/1                                    | WEIR                      |          |
| EFFLUENT BOD <sub>5</sub>                                                                                      | SAMPLE MEASUREMENT | 3.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.7     | LBS/DAY | 74                                                                   | 82      | 90      | 2                                                            | 2/30                                   | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT | 3.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.6     |         | NA                                                                   | 30      | 45      |                                                              | 2/30                                   | GR                        |          |
| EFFLUENT SUSPENDED SOLIDS                                                                                      | SAMPLE MEASUREMENT | 0.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.54    | LBS/DAY | 7.0                                                                  | 10      | 13      | 0                                                            | 2/30                                   | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT | 3.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.6     |         | NA                                                                   | 30      | 45      |                                                              | 2/30                                   | GR                        |          |
| SETTLABLE SOLIDS                                                                                               | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | <0.1                                                                 | <0.1    | <0.5    | 0                                                            | 28/30                                  | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | NA                                                                   | NA      | 1.0     |                                                              | 1/1                                    | GR                        |          |
| TOTAL CHLORINE RESIDUAL                                                                                        | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 0.1                                                                  | 1.5     | 2.7     | 0                                                            | 28/30                                  | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | NA                                                                   | NA      | NA      |                                                              | 1/1                                    | GR                        |          |
| FECAL COLIFORM                                                                                                 | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | <10                                                                  | <10     | <10     | 0                                                            | 2/30                                   | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | NA                                                                   | NA      | NA      |                                                              | 2/30                                   | GR                        |          |
| pH                                                                                                             | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 7.0                                                                  |         | 7.0     | 0                                                            | 4/30                                   | GR                        |          |
|                                                                                                                | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 5.0                                                                  |         | 9.0     |                                                              | 1/7                                    | GR                        |          |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1919. (Penalties under these statutes may include fines up to \$10,000 and/or six months imprisonment or between 6 months and 5 years.) |         |         |                                                                      |         |         | TELEPHONE                                                    |                                        | DATE                      |          |
| TYPED OR PRINTED                                                                                               |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         |                                                                      |         |         | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |                                        | FTS<br>AREA<br>CODE       | 857-3173 |

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

\*FLOW VALUES WERE ESTIMATED FOR TEN DAYS DURING THIS REPORTING PERIOD DUE TO INOPERABLE FLOWMETER.  
A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON MARCH 13, 1981.

NAME **TENNESSEE VALLEY AUTHORITY**  
ADDRESS **215 NATURAL RESOURCES BUILDING**  
**NORRIS, TN 37828**

FACILITY **SEQUOYAH NUCLEAR PLANT**  
LOCATION **SODDY, TN 37379**

PERMIT NUMBER **TN0026450**  
DISCHARGE NUMBER **004**

CONSTRUCTION RUNOFF

MONITORING PERIOD

| YEAR | MO | DAY | YEAR | MO | DAY |
|------|----|-----|------|----|-----|
| 81   | 02 | 01  | 81   | 03 | 01  |

FROM (20-21) (22-23) (24-25) TO (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                    |         |       | MGD                                                  |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |
| SETTLEABLE SOLIDS    | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |
| TURBIDITY            | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                     |          |    |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br><b>M. T. EL-ASHRY, ASST. MGR.<br/>OF NATURAL RESOURCES<br/>(ENVIRONMENT)</b><br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1819. Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                    |                     | DATE     |    |    |
|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
005  
DISCHARGE NUMBER

CONSTRUCTION RUNOFF

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | <div></div>        | (3 Card Only)<br>(46-53)       |         |       | (4 Card Only)<br>(38-45) |         |         |       | QUALITY OR CONCENTRATION<br>(46-53) |   |      |    | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-69) | SAMPLE<br>TYPE<br>(59-70) |
|----------------------|--------------------|--------------------------------|---------|-------|--------------------------|---------|---------|-------|-------------------------------------|---|------|----|----------------------|----------------------------------------|---------------------------|
|                      |                    | QUANTITY OR LOADING<br>(54-61) |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      |                    | AVERAGE                        | MAXIMUM | UNITS | MINIMUM                  | AVERAGE | MAXIMUM | UNITS |                                     |   |      |    |                      |                                        |                           |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                |         |       |                          |         |         | 329   | MG/L                                | 0 | 1/30 | GR |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | NA                       | NA      | NA      |       |                                     |   | 1/7  | GR |                      |                                        |                           |
| SETTLEABLE SOLIDS    | SAMPLE MEASUREMENT |                                |         |       |                          |         |         | 3.0   | ML/L                                | 0 | 1/30 | GR |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | NA                       | NA      | NA      |       |                                     |   | 1/7  | GR |                      |                                        |                           |
| TURBIDITY            | SAMPLE MEASUREMENT |                                |         |       |                          |         |         | 315   | JTU                                 | 0 | 1/30 | GR |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | NA                       | NA      | NA      |       |                                     |   | 1/7  | GR |                      |                                        |                           |
| pH                   | SAMPLE MEASUREMENT |                                |         |       |                          |         |         | 7.5   | UNITS                               | 0 | 1/30 | GR |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | 6.0                      |         | 9.0     |       |                                     |   | 1/7  | GR |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                          |         |         |       |                                     |   |      |    |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 18 U.S.C. § 1339. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE  
FTS AREA CODE NUMBER YEAR MO DAY  
857-3173 81 05 28

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

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R007

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

006  
DISCHARGE NUMBER

CONSTRUCTION RUNOFF

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |  |
|-------------------|---------|---------|---------|---------|---------|--|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |  |
| 81                | 02      | 01      | 81      | 03      | 01      |  |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |  |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | <div></div>        | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |       |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | 15      | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |       |
| SETTLEABLE SOLIDS    | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | 1.0     | ML/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |       |
| TURBIDITY            | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | 13      | JTU                  | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | GR                        |       |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | 7.5     | UNITS                | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |       |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |  |                     |          |    |    |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       |  | DATE                |          |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |  | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(12-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
007  
DISCHARGE NUMBER

YARD DRAINAGE POND

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MC DAY TO YEAR MC DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 TO 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)    |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|-------------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                         |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                    | SAMPLE MEASUREMENT | 1.9                                             | 4.0     | MGD   |                                                      |         |         | 0                    | 16/30                                  | GR                        |
|                         | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | CONT                                   | REC                       |
| SUSPENDED SOLIDS        | SAMPLE MEASUREMENT |                                                 |         |       | 4.9                                                  | 15      | 41      | 0                    | 16/30                                  | GR                        |
|                         | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 5/7                                    | GR                        |
| OIL AND GREASE          | SAMPLE MEASUREMENT |                                                 |         |       | <5.0                                                 | <5.3    | 6.1     | 0                    | 4/30                                   | GR                        |
|                         | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 15      | 20      |                      | 1/7                                    | GR                        |
| TOTAL CHLORINE RESIDUAL | SAMPLE MEASUREMENT |                                                 |         |       | <0.05                                                | <0.05   | <0.05   | 0                    | 2/30                                   | GR                        |
|                         | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | MULT<br>GR                |
| pH                      | SAMPLE MEASUREMENT |                                                 |         |       | 7.1                                                  |         | 8.0     | 0                    | 16/30                                  | GR                        |
|                         | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 5/7                                    | GR                        |
|                         | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                         | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                         | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                         | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |                     |          |    |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 18 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       | DATE                |          |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 |
| TYPED OR PRINTED                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |                     |          |    |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
008

CONCRETE BATCH PLANT SETTLING POND

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 02 01 TO 81 03 01  
(26-27) (28-29) (30-31) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.008                                           | 0.014   | MGD   |                                                      |         |         | 0                    | 3/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/7                                    | GR                        |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | *       | -                    | *                                      |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 20      |                      | 1/30                                   | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 7.2                                                  | 22      | 35      | 0                    | 4/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 50      |                      | 1/7                                    | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       | 7.6                                                  |         | 8.7     | 0                    | 4/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                     |                           |            |          |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|---------------------------|------------|----------|-----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><u>M. T. EL-ASHRY, ASST. MGR.</u><br><u>OF NATURAL RESOURCES</u><br><u>(ENVIRONMENT)</u><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | <u>857-3173</u><br>NUMBER | 81<br>YEAR | 05<br>MO | 28<br>DAY |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|---------------------------|------------|----------|-----------|

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

\*SAMPLE WAS INADVERTENTLY NOT COLLECTED.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
009  
DISCHARGE NUMBER

PREOPERATIONAL METAL CLEANING WASTE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                | X                  | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63)                                            | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |          |
|---------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|-----------------------------------------------------------------|----------------------------------------|---------------------------|----------|
|                                                                     |                    | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                                                                 |                                        |                           | UNITS    |
| FLOW                                                                | SAMPLE MEASUREMENT | NO DISCHARGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |       | MGD                                                  |         |         |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA      |       |                                                      |         |         |                                                                 | 1/1                                    | CAL WEIR                  |          |
| OIL AND GREASE                                                      | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | 15      | 20      |                                                                 | 1/7                                    | GR                        |          |
| SUSPENDED SOLIDS                                                    | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | 30      | 100     |                                                                 | 1/7                                    | 8-HR COMP                 |          |
| TOTAL COPPER                                                        | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | 1.0     | 1.0     |                                                                 | 1/7                                    | 8-HR COMP                 |          |
| TOTAL IRON                                                          | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | 1.0     | 1.0     |                                                                 | 1/7                                    | 8-HR COMP                 |          |
| PHOSPHORUS                                                          | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | 1.0     | 1.0     |                                                                 | 1/7                                    | 8-HR COMP                 |          |
| COD                                                                 | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         | MG/L    |                                                                 |                                        |                           |          |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       | NA                                                   | NA      | 100     |                                                                 | 1/7                                    | 8-HR COMP                 |          |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. |         |       |                                                      |         |         | TELEPHONE                                                       |                                        | DATE                      |          |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         |         | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |                                        | FTS<br>AREA<br>CODE       | 857-3173 |
| TYPED OR PRINTED                                                    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |       |                                                      |         |         |                                                                 |                                        |                           |          |

COMMENT AND EXPLANATION OF ANY VIOLATIONS. (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

(2-16)  
TNO026450  
PERMIT NUMBER

(17-19)  
010  
DISCHARGE NUMBER

STATION SUMP

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| FROM 81           | 02      | 01      | TO 81   | 03      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |        | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(54-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|--------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS  | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.89                                            | 1.2     | MGD    |                                                      |         |         | 0                    | 8/30                                   | CAL                       |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |        |                                                      |         |         |                      | CONT                                   | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT | <19                                             | 34      | KG/DAY | <5.0                                                 | <5.7    | 10      | 7                    | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | 11.9                                            | 15.9    |        | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | 43                                              | 86      | KG/DAY | 1.3                                                  | 18      | 40      | 2                    | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | 23.8                                            | 79.5    |        | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                  |                    |            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|--------------------|------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 23 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                    |                  | DATE               |            |          |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA CODE | 857-3173<br>NUMBER | 81<br>YEAR | 05<br>MO |

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

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON JULY 18, 1979, EXPLAINING THE VIOLATIONS. A PERMIT MODIFICATION WAS REQUESTED ON OCTOBER 19, 1979.



NAME **TENNESSEE VALLEY AUTHORITY**  
 ADDRESS **215 NATURAL RESOURCES BUILDING**  
**NORRIS, TN 37828**

TN0026450  
 PERMIT NUMBER

012  
 DISCHARGE NUMBER

COOLING TOWER BLOWDOWN

FACILITY **SEQUOYAH NUCLEAR PLANT**  
 LOCATION **SGDDY, TN 37379**

MONITORING PERIOD  
 FROM YEAR 81 MO 02 DAY 01 TO YEAR 81 MO 03 DAY 01  
 (26-71) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | SAMPLE MEASUREMENT<br>(42-43) | (1 Card Only)<br>QUANTITY OR LOADING<br>(46-51) |                    |                  | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |                    |                    | NO. EX<br>(62-63) | FREQUENCY OF ANALYSIS<br>(64-68) | SAMPLE TYPE<br>(69-70) |
|----------------------|-------------------------------|-------------------------------------------------|--------------------|------------------|------------------------------------------------------|--------------------|--------------------|-------------------|----------------------------------|------------------------|
|                      |                               | AVERAGE<br>(46-53)                              | MAXIMUM<br>(54-57) | UNITS<br>(58-61) | MINIMUM<br>(38-45)                                   | AVERAGE<br>(46-53) | MAXIMUM<br>(54-61) |                   |                                  |                        |
| FLOW                 | SAMPLE MEASUREMENT            | 30                                              | 37                 | MGD              |                                                      |                    |                    | 0                 | 4/30                             | REC                    |
|                      | PERMIT REQUIREMENT            | NA                                              | NA                 |                  |                                                      |                    |                    |                   | CONT*                            | REC*                   |
| pH                   | SAMPLE MEASUREMENT            |                                                 |                    |                  | 7.4                                                  |                    | 8.4                | 0                 | 3/30                             | GR                     |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  | 6.0                                                  |                    | 9.0                |                   | 1/7                              | GR                     |
| BORON                | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   | **                               |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    | 14.0               |                   | 1/1                              | GR                     |
|                      | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | SAMPLE MEASUREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |
|                      | PERMIT REQUIREMENT            |                                                 |                    |                  |                                                      |                    |                    |                   |                                  |                        |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**M. T. EL-ASHRY, ASST. MGR.**  
**OF NATURAL RESOURCES**  
**(ENVIRONMENT)**  
 TYPED OR PRINTED

CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or imprisonment of between 6 months and 3 years.)

TELEPHONE  
**857-3173**  
 DATE  
**81 05 28**

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE  
**857-3173**  
 NUMBER  
**857-3173**  
 YEAR  
**81**  
 MO  
**05**  
 DAY  
**28**

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

\*NOT APPLICABLE DURING OPEN OR HELPER MODE.

**\*\*No boron wastes were discharged.**

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

(12-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
013  
DISCHARGE NUMBER

RECYCLED COOLING WATER

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 TO 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)       | X                     | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(38-45) |         |         | (46-53)<br>(54-61) |  |   | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|--------------------|--|---|----------------------|----------------------------------------|---------------------------|
|                            |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM | UNITS              |  |   |                      |                                        |                           |
| TOTAL CHLORINE<br>RESIDUAL | SAMPLE<br>MEASUREMENT | NOT CHLORINATING                                |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 0.1     |                    |  |   |                      | 1/7                                    | MULT<br>GR                |
| TEMPERATURE                | SAMPLE<br>MEASUREMENT | 54                                              | 64      | °F    |                                                      |         |         |                    |  |   | 0                    | 4/30                                   | MULT<br>GR                |
|                            | PERMIT<br>REQUIREMENT | NA                                              | 101.0   |       |                                                      |         |         |                    |  |   |                      | 1/1                                    | MULT<br>GR                |
| pH                         | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         | 7.3     | UNITS              |  | 0 | 1/30                 | GR                                     |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                    |  |   |                      | 1/7                                    | GR                        |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                    |  |   |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)**  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

TELEPHONE  
857-3173  
DATE  
81 05 28

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

FTS  
AREA  
CODE  
NUMBER  
YEAR  
MO  
DAY

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
014  
DISCHARGE NUMBER

CONDENSATE DEMINERALIZER  
REGENERATION WASTE, HIGH  
CONDUCTIVITY, LOW CRUD

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 02 01 TO 81 03 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                     | (3 Card Only)<br>QUANTITY OR LOADING<br>(45-53) |         |        | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|-----------------------|-------------------------------------------------|---------|--------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                       | AVERAGE                                         | MAXIMUM | UNITS  | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE<br>MEASUREMENT | 0.023                                           | 0.037   | MGD    |                                                      |         |         | 0                    | 5<br>BATCHES                           | CAL                       |
|                      | PERMIT<br>REQUIREMENT | NA                                              | NA      |        |                                                      |         |         |                      | 1/<br>BATCH                            | CAL                       |
| OIL AND GREASE       | SAMPLE<br>MEASUREMENT | <0.21                                           | <0.31   | KG/DAY | <5.0                                                 | <5.7    | <8.3    | 0                    | 5<br>BATCHES                           | GR                        |
|                      | PERMIT<br>REQUIREMENT | 1.6                                             | 2.2     |        | NA                                                   | 15      | 20      |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
| SUSPENDED SOLIDS     | SAMPLE<br>MEASUREMENT | 1.0                                             | 1.7     | KG/DAY | 16                                                   | 28      | 46      | 0                    | 5<br>BATCHES                           | GR                        |
|                      | PERMIT<br>REQUIREMENT | 3.3                                             | 11.0    |        | NA                                                   | 30      | 100     |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
| pH                   | SAMPLE<br>MEASUREMENT |                                                 |         |        | 6.0                                                  |         | 8.7     | 0                    | 5<br>BATCHES                           | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |        | 6.0                                                  |         | 9.0     |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |                     |          |        |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|--------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 19 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.) | ELEPHONE                                                        |                     | DATE     |        |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81     |
| TYPED OR PRINTED                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 | NUMBER              | YEAR     | MO DAY |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
015

CONDENSATE DEMINERALIZER  
REGENERATION WASTE, LOW  
CONDUCTIVITY, HIGH CRUD

MONITORING PERIOD  
FROM 81 02 01 TO 81 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(45-53) QUANTITY OR LOADING<br>(54-61) |         |        | (4 Card Only)<br>(35-45) QUALITY OR CONCENTRATION<br>(54-61) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-76) |
|----------------------|--------------------|---------------------------------------------------------|---------|--------|--------------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS  | MINIMUM                                                      | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.016                                                   | 0.018   | MGD    |                                                              |         |         |       | 0                    | 5                                      | BATCHES CAL               |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |        |                                                              |         |         |       |                      | 1/BATCH                                | CAL                       |
| OIL AND GREASE       | SAMPLE MEASUREMENT | <0.38                                                   | 0.70    | KG/DAY | <5.0                                                         | <6.0    | 10      | MG/L  | 0                    | 5                                      | BATCHES GR                |
|                      | PERMIT REQUIREMENT | 3.4                                                     | 4.5     |        | NA                                                           | 15      | 20      |       |                      | 1/BATCH                                | 24-HR<br>comp             |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | 0.78                                                    | 2.2     | KG/DAY | 3.0                                                          | 13      | 33      | MG/L  | 0                    | 5                                      | BATCHES GR                |
|                      | PERMIT REQUIREMENT | 6.8                                                     | 23.0    |        | NA                                                           | 30      | 100     |       |                      | 1/BATCH                                | 24-HR<br>comp             |
| pH                   | SAMPLE MEASUREMENT |                                                         |         |        | 6.5                                                          |         | 8.5     | UNITS | 0                    | 5                                      | BATCHES GR                |
|                      | PERMIT REQUIREMENT |                                                         |         |        | 6.0                                                          |         | 9.0     |       |                      | 1/BATCH                                | 24-HR<br>comp             |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                              |         |         |       |                      |                                        |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |                     |          |    |    |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years. | TELEPHONE                                                       | DATE                |          |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TNO026450  
PERMIT NUMBER

(17-19)  
016  
DISCHARGE NUMBER

LIQUID WASTEWATER

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SOEDY, TN 37379

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 81 02 01 TO 81 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (1 Card Only)<br>QUANTITY OR LOADING<br>(45-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(38-45) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-79) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|-------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                     |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.026                                           | 0.109   | MGD   |                                                      |         |         | 0                    | 14                                  | BATCHES GR                |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/<br>BATCH                         | WEIR, P<br>LOG, C         |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       | <5.0                                                 | <5.9    | <8.6    | 0                    | 14                                  | BATCHES GR                |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 20      |                      | 1/<br>BATCH                         | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 7.1                                                  | 17      | 29      | 0                    | 14                                  | BATCHES GR                |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 30      |                      | 1/<br>BATCH                         | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       | 4.9                                                  |         | 7.8     | 0                    | 14                                  | BATCHES GR                |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   |         | NA      |                      | 1/<br>BATCH                         | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                     |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |          |    |    |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1329. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years. | TELEPHONE                                                       | DATE     |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | 857-3173 | 81 | 05 |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
017  
DISCHARGE NUMBER

OFFICE BUILDING SUMP 1

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 81 02 01 TO 81 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                    |         | MGD   |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |          |      |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SET BY USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE           |          | DATE |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FTS<br>AREA<br>CODE | 857-3173 | 81   | 05 | 28 |
| SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |          |      |    |    |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(12-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
018  
DISCHARGE NUMBER

OFFICE BUILDING SUMP 2

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 81 02 01 TO 81 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (1 Card Only)<br>QUANTITY OR LOADING<br>(46-51) |         |       | (4 Card Only)<br>QUANTITY OR CONCENTRATION<br>(46-53) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|-------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                               | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                    |         | MGD   |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                       |         |         |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                    | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                    | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                       |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE  
FTS 857-3173 81 05 28  
AREA CODE NUMBER YEAR MO DAY

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450

PERMIT NUMBER

019

DISCHARGE NUMBER

SERVICE BUILDING SUMP

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 02      | 01      | 81      | 03      | 01      |
| (21-22)           | (23-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(18-45) QUALITY OR CONCENTRATION<br>(54-61) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|--------------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                      | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.0002                                                  | 0.0008  | MGD   |                                                              |         |         |       | 0                    | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |       |                                                              |         |         |       |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                         |         |       | <14                                                          | 58      | MG/L    | 1     | 6/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | 15                                                           | 20      |         |       | 2/7                  | GR                                     |                           |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       | 14                                                           | 31      | MG/L    | 0     | 6/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                           | 100     |         |       | 2/7                  | GR                                     |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |       |                      |                                        |                           |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 |                     |          |    |    |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       | DATE                |          |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |
| TYPED OR PRINTED                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 |                     |          |    |    |

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

THERE WAS NO DISCHARGE TWICE THIS REPORTING PERIOD.

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON FEBRUARY 23, 1981.



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
020

DIESEL GENERATING BUILDING  
OIL AND GREASE INTERCEPTOR

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
81 02 01 TO 81 03 01  
(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (1 Card Only)<br>QUANTITY OR LOADING<br>(45-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT |                                                 | *       | MGD   |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 2/7                                    | P LOG OR GR               |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       | <5.0**                                               | <15**   | 67**    |                      | 1**6/30                                | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 2.2**                                                | 18**    | 84**    |                      | 0 8/30                                 | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 18 USC § 1019. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

CLM

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS  
AREA  
CODE

857-3173

81 05 28  
YEAR MO DAY

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

\*Flow monitoring was unrepresentative, but flow monitoring device was installed in May 1981. \*\*A representative sampling point was unavailable and the sample concentrations were probably greater than the actual discharge concentrations.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

021  
DISCHARGE NUMBER

SODIUM HYPOCHLORITE BUILDING  
FLOOR AND EQUIPMENT DRAINS

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| FROM 81           | 02      | 01      | TO 81   | 03      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | QUANTITY OR LOADING<br>(34-37) |         |       | QUALITY OR CONCENTRATION<br>(34-37) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|--------------------------------|---------|-------|-------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                        | MAXIMUM | UNITS | MINIMUM                             | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                   |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                             | NA      | MGD   |                                     |         |         |                      | 2/7                                    | GR OR<br>P LOG            |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | NA                                  | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       | NA                                  | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                |         |       |                                     |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED  
AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED  
ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR  
OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION  
IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIG-  
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING  
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND  
33 USC § 1319. (Penalties under these statutes may include fines up to \$20,000  
and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
857-3173  
DATE  
81 05 28

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
023

STEAM GENERATOR BLOWDOWN TO  
COOLING TOWER BLOWDOWN LINE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 02 | 01  |

 TO 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 03 | 01  |

  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|--------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                      | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                            |         |       | MGD                                                          |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |       |                                                              |         |         |                      | 1/7                                    | INST                      |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              | 15      | 20      |                      | 1/30                                   | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              | 30      | 100     |                      | 1/30                                   | GR                        |
| TOTAL COPPER         | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              | 1.0     | 1.0     |                      | 1/30                                   | GR                        |
| TOTAL IRON           | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              | 1.0     | 1.0     |                      | 1/30                                   | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | UNITS   |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | 6.0                                                          |         | 9.0     |                      | 1/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         |         |                      |                                        |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |                     |          |    |    |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 2385. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                       |                     | DATE     |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
024

DIFFUSER GATE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 02 01 TO 81 03 01  
(2021) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                                                                               | SAMPLE MEASUREMENT<br>(38-43) | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |       | (4 Card Only)<br>(58-65) QUALITY OR CONCENTRATION<br>(66-73) |         |                                                              | NO. EX.<br>(62-63) | FREQUENCY OF ANALYSIS<br>(64-68)              | SAMPLE TYPE<br>(69-79) |                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|--------------------------------------------------------------|---------|--------------------------------------------------------------|--------------------|-----------------------------------------------|------------------------|---------------------------------|--|
|                                                                                                                                    |                               | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAXIMUM              | UNITS | MINIMUM                                                      | AVERAGE | MAXIMUM                                                      |                    |                                               |                        | UNITS                           |  |
| FLOW                                                                                                                               | SAMPLE MEASUREMENT            | 729                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,489                | MGD   |                                                              |         |                                                              | 0                  | 28/30                                         | REC                    |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA                   |       |                                                              |         |                                                              |                    | CONT                                          | REC                    |                                 |  |
| DISCHARGE TEMPERATURE<br>OPEN/HELPER/CLOSED<br>MODES                                                                               | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.7/-/40.6          | °F    |                                                              |         |                                                              | 0                  | CONT                                          | REC                    |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 112.5/<br>97.0/101.0 |       |                                                              |         |                                                              |                    | CONT                                          | REC                    |                                 |  |
| DOWNSTREAM TEMPERATURE                                                                                                             | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48                   | °F    |                                                              |         |                                                              | 0                  | CONT                                          | REC                    |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 86.9                 |       |                                                              |         |                                                              |                    | CONT                                          | REC                    |                                 |  |
| RESERVOIR TEMPERATURE<br>RISE                                                                                                      | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.5                  | °F    |                                                              |         |                                                              | 0                  | CONT                                          | REC                    |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5.4                  |       |                                                              |         |                                                              |                    | CONT                                          | REC                    |                                 |  |
| RESERVOIR TEMPERATURE<br>RATE OF RISE                                                                                              | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.54                 | °F/HR |                                                              |         |                                                              | 0                  | CONT                                          | REC                    |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.6                  |       |                                                              |         |                                                              |                    | CONT                                          | REC                    |                                 |  |
| pH                                                                                                                                 | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       | 7.3                                                          | 8.6     | UNITS                                                        | 0                  | 28/30                                         | GR                     |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       | 6.0                                                          | 9.0     |                                                              |                    | 1/1                                           | GR                     |                                 |  |
| TOTAL CHLORINE<br>RESIDUAL                                                                                                         | SAMPLE MEASUREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       | NOT CHLORINATING                                             |         | MG/L                                                         |                    |                                               |                        |                                 |  |
|                                                                                                                                    | PERMIT REQUIREMENT            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |       | NA                                                           | NA      | 0.1                                                          |                    | CONT                                          | REC                    |                                 |  |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                               | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under those statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years. |                      |       |                                                              |         | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |                    | TELEPHONE<br>FTS 857-3173<br>AREA CODE NUMBER |                        | DATE<br>81 05 28<br>YEAR MO DAY |  |

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

|               |  |                  |  |
|---------------|--|------------------|--|
| (2-16)        |  | (17-19)          |  |
| TN0026450     |  | 024              |  |
| PERMIT NUMBER |  | DISCHARGE NUMBER |  |

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 02      | 01      | 81      | 03      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

DIFFUSER GATE

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)              | SAMPLE MEASUREMENT<br>(42-43) | (1 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|-----------------------------------|-------------------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                                   |                               | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| MANUAL TOTAL CHLORINE<br>RESIDUAL | SAMPLE MEASUREMENT            | NOT CHLORINATING                                |         |       |                                                      |         |         |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       | NA                                                   | NA      | 0.1     |                      | 1/1                                    | MULT<br>GR                |
| CHLORIDE                          | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |
| OIL AND GREASE                    | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |
| SODIUM                            | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |
| SULFATE                           | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |
| SUSPENDED SOLIDS                  | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |
| SETTLABLE SOLIDS                  | SAMPLE MEASUREMENT            |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                                   | PERMIT REQUIREMENT            |                                                 |         |       |                                                      |         | NA      |                      | 1/30                                   | GR                        |

|                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                     |          |    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. 1001 AND 32 USC 91319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    |                     | DATE     |    |
|                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 |

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

\*SAMPLES WERE INADVERTENTLY NOT COLLECTED.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
024

DIFFUSER GATE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 02 01 TO 81 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-79) |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|----------------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| DISSOLVED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| TOTAL SOLIDS         | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| AMMONIA NITROGEN     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| TOTAL COPPER         | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| TOTAL IRON           | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| TOTAL MANGANESE      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |
| TOTAL ZINC           | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | *       | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         | NA      |                      | 1/30                                   | GR                        |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                              |                  |          |      |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE        |          | DATE |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                              | FTS<br>AREA CODE | 857-3173 | 81   | 05 | 28 |

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

\*SAMPLES WERE INADVERTENTLY NOT COLLECTED.

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
024

DIFFUSER GATE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 02 DAY 01 TO YEAR 81 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| BORON                | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 1.1     |                      | 1/1                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 18 USC § 1333. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
FTS 857-3173  
AREA CODE  
NUMBER  
DATE  
YEAR 81 MO 05 DAY 28

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

\*No boron wastes were discharged.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
MORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

|               |  |                  |  |
|---------------|--|------------------|--|
| (2-16)        |  | (17-19)          |  |
| TN0026450     |  | 025              |  |
| PERMIT NUMBER |  | DISCHARGE NUMBER |  |

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 02      | 01      | 81      | 03      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

PLANT AND ERCW INTAKES

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                       | SAMPLE MEASUREMENT<br>(46-51) | QUANTITY OR LOADING<br>(54-61) |         |       | QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO. EX<br>(62-69) | FREQUENCY OF ANALYSIS<br>(64-68) | SAMPLE TYPE<br>(69-70) |       |
|--------------------------------------------|-------------------------------|--------------------------------|---------|-------|-------------------------------------|---------|---------|-------------------|----------------------------------|------------------------|-------|
|                                            |                               | AVERAGE                        | MAXIMUM | UNITS | MINIMUM                             | AVERAGE | MAXIMUM |                   |                                  |                        | UNITS |
| FLOW<br>PLANT INTAKE/<br>ERCW INTAKE       | SAMPLE MEASUREMENT            |                                | 868/52  | MGD   |                                     |         |         |                   | 0                                | CONT                   | REC   |
|                                            | PERMIT REQUIREMENT            | NA                             | NA      |       |                                     |         |         |                   |                                  | CONT                   | P LOG |
| PLANT INTAKE<br>AMBIENT TEMPERATURE        | SAMPLE MEASUREMENT            |                                | 49      | °F    |                                     |         |         |                   | 0                                | 1/HR                   | REC   |
|                                            | PERMIT REQUIREMENT            | NA                             | NA      |       |                                     |         |         |                   |                                  | 1/HR                   | REC   |
| PLANT INTAKE<br>TOTAL CHLORINE<br>RESIDUAL | SAMPLE MEASUREMENT            | NOT CHLORINATING               |         |       |                                     |         | MG/L    |                   |                                  |                        |       |
|                                            | PERMIT REQUIREMENT            |                                |         |       | NA                                  | NA      | NA      |                   | 1/7                              | MULT                   | GR    |
| ERCW<br>CHLORIDE                           | SAMPLE MEASUREMENT            |                                |         |       |                                     |         | *       | MG/L              |                                  |                        |       |
|                                            | PERMIT REQUIREMENT            |                                |         |       |                                     |         | NA      |                   | 1/30                             | 8-HR                   | COMP  |
| ERCW<br>SODIUM                             | SAMPLE MEASUREMENT            |                                |         |       |                                     |         | *       | MG/L              |                                  |                        |       |
|                                            | PERMIT REQUIREMENT            |                                |         |       |                                     |         | NA      |                   | 1/30                             | 8-HR                   | COMP  |
| ERCW<br>SULFATE                            | SAMPLE MEASUREMENT            |                                |         |       |                                     |         | *       | MG/L              |                                  |                        |       |
|                                            | PERMIT REQUIREMENT            |                                |         |       |                                     |         | NA      |                   | 1/30                             | 8-HR                   | COMP  |
| ERCW<br>SUSPENDED SOLIDS                   | SAMPLE MEASUREMENT            |                                |         |       |                                     |         | *       | MG/L              |                                  |                        |       |
|                                            | PERMIT REQUIREMENT            |                                |         |       |                                     |         | NA      |                   | 1/30                             | 8-HR                   | COMP  |

|                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |                  |          |    |    |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    |                  | DATE     |    |    |
|                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA CODE | 857-3173 | 81 | 05 |

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

PLANT INTAKE/ERCW FLOW QUANTITY IS MAXIMUM VALUE DURING SAMPLING PERIOD. PLANT INTAKE AMBIENT TEMPERATURE DATA: (1) ARE REPORTED AS THE MAXIMUM OF THE HOURLY CALCULATED VALUES FOR THE SAMPLING PERIOD, AND (2) WILL BE BOTH TEMPORALLY AND SPATIALLY AVERAGED UPON COMPLETION OF THE PERMANENT MONITOR.



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

TNC026450  
PERMIT NUMBER

025  
DISCHARGE NUMBER

PLANT AND ERCW INTAKES

MONITORING PERIOD  
FROM 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 02 | 01  |

 TO 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 03 | 01  |

  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)     | X                     | (3 Card Only)<br>QUANTITY OR LOADING<br>(45-51) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(58-63) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|--------------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                          |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MINIMUM | UNITS |                      |                                        |                           |
| ERCW<br>SETTLABLE SOLIDS | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | ML/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>DISSOLVED SOLIDS | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>TOTAL SOLIDS     | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>AMMONIA NITROGEN | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>TOTAL COPPER     | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>TOTAL IRON       | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |
| ERCW<br>TOTAL MANGANESE  | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         | *     | MG/L                 |                                        |                           |
|                          | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         | NA    |                      | 1/30                                   | 8-HR<br>COMP              |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |  |                     |        |      |    |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|---------------------|--------|------|----|
| NAME, TITLE PRINCIPAL EXECUTIVE OFFICER                             | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years. | TELEPHONE                                                       |  | DATE                |        |      |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 857-3173                                                        |  | 81                  | 05     | 28   |    |
| TYPED OR PRINTED                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |  | FTS<br>AREA<br>CODE | NUMBER | YEAR | MO |

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

\*SAMPLES WERE INADVERTENTLY NOT COLLECTED.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

025  
DISCHARGE NUMBER

PLANT AND ERCW INTAKES

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 02 DAY 01 TO YEAR 81 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                       | (Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|-----------------------|-----------------------------------------------|---------|-------|----------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                       | AVERAGE                                       | MAXIMUM | UNITS | MINIMUM                                            | AVERAGE | MAXIMUM |                      |                                        |                           |
| ERCW<br>TOTAL ZINC   | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         | *       |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         | NA      |                      | 1/30                                   | 8-HR<br>COMP              |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                               |         |       |                                                    |         |         |                      |                                        |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |                     |          |    |    |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       |                     | DATE     |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

\*SAMPLES WERE INADVERTENTLY NOT COLLECTED.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

|                   |         |                  |                         |
|-------------------|---------|------------------|-------------------------|
| (2-16)            |         | (17-19)          |                         |
| TN0026450         |         | 001              |                         |
| PERMIT NUMBER     |         | DISCHARGE NUMBER |                         |
| MONITORING PERIOD |         |                  |                         |
| YEAR              | MO      | DAY              | YEAR                    |
| 81                | 03      | 01               | 81 04 01                |
| (20-21)           | (22-23) | (24-25)          | (26-27) (28-29) (30-31) |

CONSTRUCTION SEWAGE TREATMENT PLANT

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                | X                  | (1 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(34-61)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | (4 Card Only)<br>(35-45) QUALITY OR CONCENTRATION<br>(46-53) (34-61) |         |                  | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|---------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------------------------------------------------|---------|------------------|----------------------|----------------------------------------|---------------------------|-------|
|                                                                     |                    | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MAXIMUM | UNITS   | MINIMUM                                                              | AVERAGE | MAXIMUM          |                      |                                        |                           | UNITS |
| FLOW                                                                | SAMPLE MEASUREMENT | 0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.013   | MGD     |                                                                      |         |                  | 0                    | 33/30                                  | WEIR                      |       |
|                                                                     | PERMIT REQUIREMENT | 0.030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA      |         |                                                                      |         |                  |                      | 1/1                                    | WEIR                      |       |
| EFFLUENT BOD <sub>5</sub>                                           | SAMPLE MEASUREMENT | 0.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.92    | LBS/DAY | 1.6                                                                  | 5.0     | 8.5              | 0                    | 2/30                                   | GR                        |       |
|                                                                     | PERMIT REQUIREMENT | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11.0    |         | NA                                                                   | 30      | 45               |                      | 2/30                                   | GR                        |       |
| EFFLUENT SUSPENDED SOLIDS                                           | SAMPLE MEASUREMENT | 0.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.0     | LBS/DAY | 9.0                                                                  | 10      | 12               | 0                    | 2/30                                   | GR                        |       |
|                                                                     | PERMIT REQUIREMENT | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11.0    |         | NA                                                                   | 30      | 45               |                      | 2/30                                   | GR                        |       |
| SETTLABLE SOLIDS                                                    | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | <0.1                                                                 | <0.1    | <0.1             | 0                    | 31/30                                  | GR                        |       |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | NA                                                                   | NA      | 1.0              |                      | 1/1                                    | GR                        |       |
| TOTAL CHLORINE RESIDUAL                                             | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | 0.3                                                                  | 1.1     | 11               | 0                    | 30/30                                  | GR                        |       |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | NA                                                                   | NA      | NA               |                      | 1/1                                    | GR                        |       |
| FECAL COLIFORM                                                      | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | <10                                                                  | <50     | 250              | 0                    | 2/30                                   | GR                        |       |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | NA                                                                   | NA      | NA               |                      | 2/30                                   | GR                        |       |
| pH                                                                  | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | 5.8                                                                  |         | 7.0              | 1                    | 32/30                                  | GR                        |       |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         | 6.0                                                                  |         | 9.0              |                      | 1/7                                    | GR                        |       |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. |         |         |                                                                      |         | TELEPHONE        |                      | DATE                                   |                           |       |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |                                                                      |         | 857-3173         |                      | 81 05 28                               |                           |       |
| TYPED OR PRINTED                                                    |                    | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |         |                                                                      |         | FTS<br>AREA CODE | NUMBER               | YEAR                                   | MO                        | DAY   |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

TN0026450  
PERMIT NUMBER

001  
DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

MONITORING PERIOD  
FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 04 DAY 01  
(20-22) (23-25) (26-31) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | <div></div>           | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|----------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                      |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| DISSOLVED OXYGEN     | SAMPLE<br>MEASUREMENT |                                                 |         |       | 1.1                                                  | 2.7     | 5.0     | MG/L                 | 0                                      | 31/30                     | GR    |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       | 1.0                                                  | NA      | NA      |                      |                                        | 1/1                       | GR    |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |       |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 33 U.S.C. § 1361 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$75,000 and/or maximum imprisonment of between 6 months and 3 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
TELEPHONE  
DATE  
FTS 857-3173 81 05 28  
AREA CODE NUMBER YEAR MO DAY

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



PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R-0075

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37928

(2-16) TN0026450  
PERMIT NUMBER  
(17-19) 002  
DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 04 DAY 01  
(20-27) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                |                    | QUANTITY OR LOADING<br>(46-53)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                  | QUALITY OR CONCENTRATION<br>(54-61) |                    |                    |                  | NO.<br>EX<br>(62-63)                                         | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |                    |
|---------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|-------------------------------------|--------------------|--------------------|------------------|--------------------------------------------------------------|----------------------------------------|---------------------------|--------------------|
|                                                                     |                    | AVERAGE<br>(46-53)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MAXIMUM<br>(54-61) | UNITS<br>(54-61) | MINIMUM<br>(58-65)                  | AVERAGE<br>(46-53) | MAXIMUM<br>(54-61) | UNITS<br>(54-61) |                                                              |                                        |                           |                    |
| FLOW                                                                | SAMPLE MEASUREMENT | 0.007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.028              | MGD              |                                     |                    |                    |                  | 0                                                            | 33/30                                  | WEIR                      |                    |
|                                                                     | PERMIT REQUIREMENT | 0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NA                 |                  |                                     |                    |                    |                  |                                                              | 1/1                                    | WEIR                      |                    |
| EFFLUENT BOD <sub>5</sub>                                           | SAMPLE MEASUREMENT | 0.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.83               | LBS/DAY          | 1.0                                 | 10                 | 20                 | MG/L             | 0                                                            | 2/30                                   | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.6                |                  | NA                                  | 30                 | 45                 |                  |                                                              | 2/30                                   | GR                        |                    |
| EFFLUENT SUSPENDED SOLIDS                                           | SAMPLE MEASUREMENT | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.2                | LBS/DAY          | 9.0                                 | 19                 | 30                 | MG/L             | 0                                                            | 2/30                                   | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.6                |                  | NA                                  | 30                 | 45                 |                  |                                                              | 2/30                                   | GR                        |                    |
| SETTLEABLE SOLIDS                                                   | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | <0.1                                | <0.1               | <0.1               | ML/L             | 0                                                            | 31/30                                  | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | NA                                  | NA                 | 1.0                |                  |                                                              | 1/1                                    | GR                        |                    |
| TOTAL CHLORINE RESIDUAL                                             | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | 0.5                                 | 0.9                | 2.0                | MG/L             | 0                                                            | 26/30                                  | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | NA                                  | NA                 | 2.0                |                  |                                                              | 1/1                                    | GR                        |                    |
| FECAL COLIFORM                                                      | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | <10                                 | <10                | <10                | N/100 ML         | 0                                                            | 2/30                                   | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | NA                                  | NA                 | NA                 |                  |                                                              | 2/30                                   | GR                        |                    |
| pH                                                                  | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | 6.0                                 |                    | 7.9                | UNITS            | 0                                                            | 31/30                                  | GR                        |                    |
|                                                                     | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  | 6.0                                 |                    | 9.0                |                  |                                                              | 1/7                                    | GR                        |                    |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$50,000 and/or maximum imprisonment of between 6 months and 5 years.) |                    |                  |                                     |                    |                    |                  | TELEPHONE                                                    |                                        | DATE                      |                    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  |                                     |                    |                    |                  | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |                                        | FTS<br>AREA CODE          | 857-3173<br>NUMBER |
| TYPED OR PRINTED                                                    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                  |                                     |                    |                    |                  |                                                              |                                        |                           |                    |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

TN0026450  
PERMIT NUMBER

002  
DISCHARGE NUMBER

CONSTRUCTION SEWAGE TREATMENT PLANT

| MONITORING PERIOD |         |         |         |         |         |  |
|-------------------|---------|---------|---------|---------|---------|--|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |  |
| FROM 81           | 03      | 01      | TO 81   | 04      | 01      |  |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |  |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (1 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MINIMUM |                      |                                        |                           |
| DISSOLVED OXYGEN     | SAMPLE MEASUREMENT |                                                 |         |       | 1.2                                                  | 3.8     | 6.0     | 0                    | 31/30                                  | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 1.0                                                  | NA      | NA      |                      | 1/1                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |      |    |    |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 16 USC § 1301 AND 23 USC § 1319. Penalties under these statutes may include fines up to \$25,000 and/or maximum imprisonment of between 6 months and 3 years. | TELEPHONE           |          | DATE |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FTS<br>AREA<br>CODE | 857-3173 | 81   | 05 | 28 |
| TYPED OR PRINTED                                                    | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |      |    |    |

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

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

 (2-16)  
 TN0026450  
 PERMIT NUMBER

 (17-19)  
 003  
 DISCHARGE NUMBER

OPERATIONAL SEWAGE TREATMENT PLANT

 FACILITY SEQUOYAH NUCLEAR PLANT  
 LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |      |         |         |         |
|-------------------|---------|---------|------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR | MO      | DAY     |         |
| 81                | 03      | 01      | TO   | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) |      | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                                                                                      | X                  | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |           | NO.<br>EX | FREQUENCY<br>OF ANALYSIS<br>(62-63) | SAMPLE<br>TYPE<br>(64-65) |     |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------------------------------------------|---------|-----------|-----------|-------------------------------------|---------------------------|-----|
|                                                                                                                                           |                    | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAXIMUM | UNITS   | MINIMUM                                              | AVERAGE | MAXIMUM   |           |                                     |                           |     |
| FLOW                                                                                                                                      | SAMPLE MEASUREMENT | 0.012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.022   | MGD     |                                                      |         |           | 0         | 31/30                               | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT | 0.0149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NA      |         |                                                      |         |           |           | 1/1                                 | WEIR                      |     |
| EFFLUENT BOD <sub>5</sub>                                                                                                                 | SAMPLE MEASUREMENT | >9.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | >14     | LBS/DAY | 54                                                   | >87     | >120      | 3         | 2/30                                | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT | 3.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5.6     |         | NA                                                   | 30      | 45        |           | 2/30                                | GR                        |     |
| EFFLUENT SUSPENDED SOLIDS                                                                                                                 | SAMPLE MEASUREMENT | 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8.8     | LBS/DAY | 30                                                   | 52      | 75        | 2         | 2/30                                | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT | 3.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5.6     |         | NA                                                   | 30      | 45        |           | 2/30                                | GR                        |     |
| SETTLEABLE SOLIDS                                                                                                                         | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | <0.1                                                 | <0.3    | 1.0       | 0         | 31/30                               | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | NA                                                   | NA      | 1.0       |           | 1/1                                 | GR                        |     |
| TOTAL CHLORINE RESIDUAL                                                                                                                   | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | 0.3                                                  | 1.0     | 2.4       | 0         | 31/30                               | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | NA                                                   | NA      | NA        |           | 1/1                                 | GR                        |     |
| FECAL COLIFORM                                                                                                                            | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | <10                                                  | <10     | <10       | 0         | 2/30                                | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | NA                                                   | NA      | NA        |           | 2/30                                | GR                        |     |
| pH                                                                                                                                        | SAMPLE MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | 6.5                                                  |         | 7.1       | 0         | 4/30                                | GR                        |     |
|                                                                                                                                           | PERMIT REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         | 6.0                                                  |         | 9.0       |           | 1/7                                 | GR                        |     |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED |                    | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) |         |         |                                                      |         | TELEPHONE |           | DATE                                |                           |     |
|                                                                                                                                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |         |                                                      |         | FTS       | 857-3173  | 81                                  | 05                        | 28  |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)                                                                |                    | NONCOMPLIANCE STATEMENTS WERE SUBMITTED ON MARCH 13, 1981, AND APRIL 3, 1981.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |         |                                                      |         | AREA CODE | NUMBER    | YEAR                                | MO                        | DAY |

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 27379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
004

CONSTRUCTION RUNOFF

MONITORING PERIOD  
FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|----------------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                              | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| FLOW                 | SAMPLE MEASUREMENT | 360                                                     | 1,440   | MGD   |                                                                      |         |         |                      | 0                                      | 4/30                      | GR    |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |       |                                                                      |         |         |                      |                                        | 1/7                       | GR    |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | 10      | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | NA      | NA      |                      |                                        | 1/7                       | GR    |
| SETTLABLE SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | <0.5    | ML/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | NA      | NA      |                      |                                        | 1/7                       | GR    |
| TURBIDITY            | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | 7.7     | JTU                  | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | NA      | NA      |                      |                                        | 1/7                       | GR    |
| pH                   | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         | 8.4     | UNITS                | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       | 6.0                                                                  |         | 9.0     |                      |                                        | 1/7                       | GR    |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |       |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |       |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |       |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 |                     |          |    |    |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       | DATE                |          |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

THERE WAS NO DISCHARGE THREE WEEKS DURING THIS MONTH.



PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
005

CONSTRUCTION RUNOFF

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 03      | 01      | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | <div></div>           | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                      |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| SUSPENDED SOLIDS     | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         | 43      | MG/L  | 0                    | 1/30                                   | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |       |                      | 1/7                                    | GR                        |
| SETTLEABLE SOLIDS    | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         | <0.5    | ML/L  | 0                    | 1/30                                   | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |       |                      | 1/7                                    | GR                        |
| TURBIDITY            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         | 5.2     | JTU   | 0                    | 1/30                                   | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |       |                      | 1/7                                    | GR                        |
| pH                   | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         | 8.3     | UNITS | 0                    | 1/30                                   | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |       |                      | 1/7                                    | GR                        |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1379. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS  
AREA  
CODE

857-3173  
NUMBER

81 05 28  
YEAR MO DAY

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

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

006  
DISCHARGE NUMBER

CONSTRUCTION RUNOFF

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 03      | 01      | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>(46-53) |         |       | (4 Card Only)<br>(38-45) |         |         | QUALITY OR CONCENTRATION<br>(46-53) (54-61) |       |   | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|--------------------------|---------|-------|--------------------------|---------|---------|---------------------------------------------|-------|---|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                  | MAXIMUM | UNITS | MINIMUM                  | AVERAGE | MAXIMUM | UNITS                                       |       |   |                      |                                        |                           |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                          |         |       |                          |         |         | 8.3                                         | MG/L  | 0 | 1/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                          |         |       | NA                       | NA      | NA      |                                             |       |   | 1/7                  | GR                                     |                           |
| SETTLEABLE SOLIDS    | SAMPLE MEASUREMENT |                          |         |       |                          |         |         | <0.5                                        | ML/L  | 0 | 1/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                          |         |       | NA                       | NA      | NA      |                                             |       |   | 1/7                  | GR                                     |                           |
| TURBIDITY            | SAMPLE MEASUREMENT |                          |         |       |                          |         |         | 6.5                                         | JTU   | 0 | 1/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                          |         |       | NA                       | NA      | NA      |                                             |       |   | 1/7                  | GR                                     |                           |
| pH                   | SAMPLE MEASUREMENT |                          |         |       |                          |         |         | 8.5                                         | UNITS | 0 | 1/30                 | GR                                     |                           |
|                      | PERMIT REQUIREMENT |                          |         |       | 6.0                      |         | 9.0     |                                             |       |   | 1/7                  | GR                                     |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |                                             |       |   |                      |                                        |                           |

|                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |                     |                    |            |          |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|--------------------|------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                      | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.) | TELEPHONE                                                       |                     | DATE               |            |          |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173<br>NUMBER | 81<br>YEAR | 05<br>MO |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
007  
DISCHARGE NUMBER

YARD DRAINAGE POND

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |     |         |         |         |
|-------------------|---------|---------|---------|-----|---------|---------|---------|
| YEAR              |         |         | MO      | DAY | YEAR    |         |         |
| FROM              | 81      | 03      | 01      | TO  | 81      | 04      | 01      |
|                   | (20-21) | (22-25) | (24-25) |     | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)       |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(34-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-67) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                            |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                       | SAMPLE MEASUREMENT | 2.7                                             | 6.3     | MGD   |                                                      |         |         | 0                    | 21/30                                  | GR                        |
|                            | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | CONT                                   | REC                       |
| SUSPENDED SOLIDS           | SAMPLE MEASUREMENT |                                                 |         |       | 1.4                                                  | 14      | 61      | 0                    | 21/30                                  | GR                        |
|                            | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 5/7                                    | GR                        |
| OIL AND GREASE             | SAMPLE MEASUREMENT |                                                 |         |       | <5                                                   | <5      | <5      | 0                    | 5/30                                   | GR                        |
|                            | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 15      | 20      |                      | 1/7                                    | GR                        |
| TOTAL CHLORINE<br>RESIDUAL | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                            | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | NA      |                      | 1/7                                    | MULT<br>GR                |
| pH                         | SAMPLE MEASUREMENT |                                                 |         |       | 2.3                                                  |         | 9.1     | 3                    | 21/30                                  | GR                        |
|                            | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 5/7                                    | GR                        |
|                            | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                            | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                            | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                            | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED  
AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED  
ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR  
OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION  
IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIG-  
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING  
THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND  
33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000  
and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE  
FTS 857-3173 81 05 28  
AREA NUMBER YEAR MO DAY

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

\* SAMPLE WAS INADVERTENTLY NOT COLLECTED.

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
008

CONCRETE BATCH PLANT SETTLING POND

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |     |         |                 |
|-------------------|---------|---------|---------|-----|---------|-----------------|
| YEAR              |         |         | MO      | DAY | TO      |                 |
| YEAR              | MO      | DAY     | YEAR    | MO  | DAY     |                 |
| FROM              | 81      | 03      | 01      | TO  | 81      | 04 01           |
|                   | (20-21) | (22-23) | (24-25) |     | (26-27) | (28-29) (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(45-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.012                                           | 0.022   | MGD   |                                                      |         |         | 0                    | 3*/30                                  | GR                        |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/7                                    | GR                        |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | 8.0     | 0                    | 1/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 20      |                      | 1/30                                   | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 8.1                                                  | 15      | 29      | 0                    | 4/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 50      |                      | 1/7                                    | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       | 7.6                                                  |         | 8.5     | 0                    | 4/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
FTS 857-3173  
AREA CODE NUMBER  
DATE  
81 05 28  
YEAR MO DAY

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

\*ONE WEEK FLOW WAS NOT REPRESENTATIVE.



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
009  
DISCHARGE NUMBER

PREOPERATIONAL METAL CLEANING WASTE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
YEAR MO DAY  
FROM 81 03 01 TO 81 04 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|----------------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                            |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      | MGD   |                                                                      |         |         |                      | 1/1                                    | CAL WEIR                  |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 15      | 20      |                      | 1/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 30      | 100     |                      | 1/7                                    | 8-HR COMP                 |
| TOTAL COPPER         | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 1.0     | 1.0     |                      | 1/7                                    | 8-HR COMP                 |
| TOTAL IRON           | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 1.0     | 1.0     |                      | 1/7                                    | 8-HR COMP                 |
| PHOSPHORUS           | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 1.0     | 1.0     |                      | 1/7                                    | 8-HR COMP                 |
| COD                  | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | NA      | 100     |                      | 1/7                                    | 8-HR COMP                 |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE

DATE

857-3173 81 05 28

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

FTS AREA CODE NUMBER YEAR MO DAY

857-3173 81 05 28

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
010  
DISCHARGE NUMBER

STATION SUMP

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 TO 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |        | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|--------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS  | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.97                                            | 1.6     | MGD    |                                                      |         |         | 0                    | 9/30                                   | CAL                       |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |        |                                                      |         |         |                      | CONT                                   | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT | <26                                             | 49      | KG/DAY | <5.0                                                 | <8.0    | 16      | 7*                   | 9/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | 11.9                                            | 15.9    |        | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | 80                                              | 200     | KG/DAY | 2.7                                                  | 21      | 68      | 3*                   | 9/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | 23.8                                            | 79.5    |        | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              |                     |          |    |    |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    |                     | DATE     |    |    |
|                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

\*A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON JULY 18, 1979, EXPLAINING THE VIOLATIONS. A PERMIT MODIFICATION WAS REQUESTED ON OCTOBER 19, 1979.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
012  
DISCHARGE NUMBER

COOLING TOWER BLOWDOWN

FACILITY SEQUOYAE NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 TO 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 46                                              | 96      | MGD   |                                                      |         |         | 0                    | 4/30                                   | REC                       |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | CONT                                   | REC                       |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       | 7.8                                                  |         | 8.4     | 0                    | 4/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |
| BORON                | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         | 14.0    |                      | 1/1                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |                     |                    |            |          |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|--------------------|------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 16 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       | DATE                |                    |            |          |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173<br>NUMBER | 81<br>YEAR | 05<br>MO |

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

\*No boron wastes were discharged.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

013  
DISCHARGE NUMBER

RECYCLED COOLING WATER

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 03      | 01      | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)       | X                     | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         |       | NO.<br>EX<br>(62-63) | FRL<br>OF<br>ANALYSIS<br>(64-68) | ENCL<br>TYPE<br>(69-70) |
|----------------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------|-------------------------|
|                            |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM | UNITS |                      |                                  |                         |
| TOTAL CHLORINE<br>RESIDUAL | SAMPLE<br>MEASUREMENT | NOT CHLORINATING                                |         |       |                                                      |         |         | MG/L  |                      |                                  |                         |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 0.1     |       |                      | 1/7                              | MULT<br>GR              |
| TEMPERATURE                | SAMPLE<br>MEASUREMENT | 64                                              | 80      | °F    |                                                      |         |         |       | 0                    | 12/30                            | MULT<br>GR              |
|                            | PERMIT<br>REQUIREMENT | NA                                              | 101.0   |       |                                                      |         |         |       |                      | 1/1                              | MULT<br>GR              |
| pH                         | SAMPLE<br>MEASUREMENT |                                                 |         |       | 8.2                                                  |         | 8.4     | UNITS | 0                    | 2/30                             | GR                      |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |       |                      | 1/7                              | GR                      |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |
|                            | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |       |                      |                                  |                         |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |                     |                    |            |          |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|--------------------|------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED<br>AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED<br>ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR<br>OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION<br>IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIG-<br>NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING<br>THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND<br>33 USC § 1319. Penalties under these statutes may include fines up to \$10,000<br>and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       | DATE                |                    |            |          |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173<br>NUMBER | 81<br>YEAR | 05<br>MO |

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



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
014  
DISCHARGE NUMBER

CONDENSATE DEMINERALIZER  
REGENERATION WASTE, HIGH  
CONDUCTIVITY, LOW CRUD

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |        | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|---------------------------------------------------------|---------|--------|----------------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS  | MINIMUM                                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.016                                                   | 0.033   | MGD    |                                                                      |         |         | 0                    | 15<br>BATCHES                          | CAL                       |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |        |                                                                      |         |         |                      | 1/<br>BATCH                            | CAL                       |
| OIL AND GREASE       | SAMPLE MEASUREMENT | 0.25                                                    | 0.40    | KG/DAY | <5.0                                                                 | <5.3    | 10      | 0                    | 15<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT | 1.6                                                     | 2.2     |        | NA                                                                   | 15      | 20      |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | 0.76                                                    | 1.4     | KG/DAY | 3.1                                                                  | 15      | 25      | 0                    | 15<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT | 3.3                                                     | 17.0    |        | NA                                                                   | 30      | 100     |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
| pH                   | SAMPLE MEASUREMENT |                                                         |         |        | 6.0                                                                  |         | 9.0     | 0                    | 15<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT |                                                         |         |        | 6.0                                                                  |         | 9.0     |                      | 1/<br>BATCH                            | 24-HR<br>COMP             |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |        |                                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1311. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

857-3173

DATE

81 05 28

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

TN0026450  
PERMIT NUMBER

015  
DISCHARGE NUMBER

| MONITORING PERIOD |         |         |         |         |         |  |  |
|-------------------|---------|---------|---------|---------|---------|--|--|
| FROM              |         |         | TO      |         |         |  |  |
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |  |  |
| 81                | 03      | 01      | 81      | 04      | 01      |  |  |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |  |  |

CONDENSATE DEMINERALIZER  
REGENERATION WASTE, LOW  
CONDUCTIVITY, HIGH CRUD

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |        | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-65) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|--------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS  | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.024                                           | 0.053   | MGD    |                                                      |         |         |                      | 17                                     |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |        |                                                      |         |         |                      | 0                                      | BATCHES CAL               |
| OIL AND GREASE       | SAMPLE MEASUREMENT | 0.33                                            | 0.55    | KG/DAY | <5.0                                                 | <5.2    | 8.2     | MG/L                 | 0                                      | 17 BATCHES CAL            |
|                      | PERMIT REQUIREMENT | 3.4                                             | 4.5     |        | NA                                                   | 15      | 20      |                      | 1/BATCH                                | 24-HR comp                |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | 0.53                                            | 1.8     | KG/DAY | 1.3                                                  | 8.4     | 27      | MG/L                 | 0                                      | 17 BATCHES GR             |
|                      | PERMIT REQUIREMENT | 6.8                                             | 23.0    |        | NA                                                   | 30      | 100     |                      | 1/BATCH                                | 24-HR comp                |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |        | 6.3                                                  |         | 9.0     | UNITS                | 0                                      | 17 BATCHES GR             |
|                      | PERMIT REQUIREMENT |                                                 |         |        | 6.0                                                  |         | 9.0     |                      | 1/BATCH                                | 24-HR comp                |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |        |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
857-3173  
DATE  
81 05 28  
NUMBER YEAR MO DAY

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

016  
DISCHARGE NUMBER

LIQUID RADWASTE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.026                                           | 0.042   | MGD   |                                                      |         |         | 0                    | 30<br>BATCHES                          | CAL                       |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/<br>BATCH                            | WEIR, LOG, C              |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       | <5                                                   | <6.3    | 17      | 0                    | 30<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 20      |                      | 1/<br>BATCH                            | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 0.2                                                  | 8.2     | 18      | 0                    | 30<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | NA      | 30      |                      | 1/<br>BATCH                            | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       | 3.6                                                  |         | 7.8     | 0                    | 30<br>BATCHES                          | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   |         | NA      |                      | 1/<br>BATCH                            | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT (SEE 18 USC § 1001 AND 33 USC § 1319). Penalties are: these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS 857-3173 81 05 28  
AREA CODE NUMBER YEAR MO DAY

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37826

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
017  
DISCHARGE NUMBER

OFFICE BUILDING SUMP 1

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 TO 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                    |         |       | MGD                                                  |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS  
AREA  
CODE

857-3173  
NUMBER

81 05 28  
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS. (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
018

OFFICE BUILDING SUMP 2

MONITORING PERIOD  
FROM 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 03 | 01  |

 (20-21) (22-23) (24-25) TO 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 04 | 01  |

 (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|----------------------------------------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                              | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                            |         | MGD   |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                                      | NA      |       |                                                                      |         |         |       |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         | MG/L  |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 15      | 20      |       |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         | MG/L  |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       | NA                                                                   | 30      | 100     |       |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                                      |         |         |       |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)**  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years.

TELEPHONE  
857-3173  
DATE  
81 05 28

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

FTS AREA CODE  
857-3173  
NUMBER  
81 05 28  
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments 4-7-7)

PERMITTEE NAME, ADDRESS (Include  
Facility Name/Location if different)

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

Form Approved  
OMB No. 158-R0073

NAME **TENNESSEE VALLEY AUTHORITY**  
ADDRESS **215 NATURAL RESOURCES BUILDING**  
**NORRIS, TN 37828**  
FACILITY **SEQUOYAH NUCLEAR PLANT**  
LOCATION **SODDY, TN 37379**

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
019  
DISCHARGE NUMBER

SERVICE BUILDING SUMP

| MONITORING PERIOD |         |         |         |    |         |         |         |  |
|-------------------|---------|---------|---------|----|---------|---------|---------|--|
| YEAR              |         |         | MO      |    |         | DAY     |         |  |
| FROM              | 81      | 03      | 01      | TO | 81      | 04      | 01      |  |
|                   | (20-21) | (22-23) | (24-25) |    | (26-27) | (28-29) | (30-31) |  |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.0001                                          | 0.0003  | MGD   |                                                      |         |         | 0                    | 9/30                                   | GR                        |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       | <5.0                                                 | <8.7    | 19      | 0                    | 6/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 12                                                   | 30      | 46      | 0                    | 6/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              |                  |                    |            |          |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|--------------------|------------|----------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    | DATE             |                    |            |          |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA CODE | 857-3173<br>NUMBER | 81<br>YEAR | 05<br>MO |

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

THERE WAS NO DISCHARGE THREE TIMES DURING THIS PERIOD.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
040  
DISCHARGE NUMBER

DIESEL GENERATING BUILDING  
OIL AND GREASE INTERCEPTOR

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 TO 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|---------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                     |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT |                                                 | *       | MGD   |                                                      |         |         |                     | *                                      | *                         |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                     | 2/7                                    | P LOG<br>OR GR            |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       | <5**                                                 | <8.0**  | 18**    | 0                   | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 15      | 20      |                     | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       | 2.4**                                                | 8.2**   | 20**    | 0                   | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                                                 |         |       | NA                                                   | 30      | 100     |                     | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                     |                                        |                           |

|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 |                     |          |    |    |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                                                  | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                       |                     | DATE     |    |    |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

\*FLOW MONITORING WAS NOT REPRESENTATIVE, BUT A FLOW MONITORING DEVICE WAS INSTALLED IN MAY 1981. \*\*A REPRESENTATIVE SAMPLING POINT WAS UNAVAILABLE AND THE SAMPLE CONCENTRATIONS WERE PROBABLY GREATER THAN THE ACTUAL DISCHARGE CONCENTRATIONS.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
021

SODIUM HYPOCHLORITE BUILDING  
FLOOR AND EQUIPMENT DRAINS

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

| MONITORING PERIOD |         |         |         |    |         |                 |
|-------------------|---------|---------|---------|----|---------|-----------------|
| FROM              | YEAR    | MO      | DAY     | TO | YEAR    | MO DAY          |
|                   | 81      | 03      | 01      |    | 81      | 04 01           |
|                   | (20-21) | (22-23) | (24-25) |    | (26-27) | (28-29) (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only) QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only) QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|----------------------------------------------|---------|-------|---------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                      | MAXIMUM | UNITS | MINIMUM                                           | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                 |         | MGD   |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                           | NA      |       |                                                   |         |         |                      | 2/7                                    | GR OR<br>P LOG            |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       | NA                                                | 15      | 20      |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         | MG/L                 |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       | NA                                                | 30      | 100     |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                              |         |       |                                                   |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
FTS 857-3173  
AREA CODE NUMBER  
DATE  
81 05 28  
YEAR MO DAY

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



NAME **TENNESSEE VALLEY AUTHORITY**  
ADDRESS **215 NATURAL RESOURCES BUILDING**  
**NORRIS, TN 37828**

(2-16)  
**TN0026450**  
PERMIT NUMBER

(17-19)  
**023**  
DISCHARGE NUMBER

STEAM GENERATOR BLOWDOWN TO  
COOLING TOWER BLOWDOWN LINE

FACILITY **SEQUOYAH NUCLEAR PLANT**  
LOCATION **SODDY, TN 37379**

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
**81 03 01 81 04 01**

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE                                    |         | MGD   |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT | NA                                              | NA      |       |                                                      |         |         |                      | 1/7                                    | INST                      |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 15      | 20      |                      | 1/30                                   | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 30      | 100     |                      | 1/30                                   | GR                        |
| TOTAL COPPER         | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 1.0     | 1.0     |                      | 1/30                                   | GR                        |
| TOTAL IRON           | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | MG/L    |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      | 1.0     | 1.0     |                      | 1/30                                   | GR                        |
| pH                   | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         | UNITS   |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       | 6.0                                                  |         | 9.0     |                      | 1/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

**M. T. D. ASHRY, ASST. MGR.**  
**OF NATURAL RESOURCES**  
**(ENVIRONMENT)**

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE

**857-3173**

DATE

**81 05 28**

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

FTS AREA CODE

**857-3173**

NUMBER

**81 05 28**

YEAR MO DAY

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

|               |  |                  |  |
|---------------|--|------------------|--|
| TN0026450     |  | 024              |  |
| PERMIT NUMBER |  | DISCHARGE NUMBER |  |

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 03      | 01      | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) | (26-27) | (28-29) | (30-31) |

DIFFUSER GATE

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                 | X                  | (1 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |                      |       | (4 Card Only)<br>(38-45) QUALITY OR CONCENTRATION<br>(46-53) (54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|------------------------------------------------------|--------------------|---------------------------------------------------------|----------------------|-------|----------------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                                                      |                    | AVERAGE                                                 | MAXIMUM              | UNITS | MINIMUM                                                              | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| FLOW                                                 | SAMPLE MEASUREMENT |                                                         | 891.9                | MGD   |                                                                      |         |         | 0                    | CONT                                   | REC                       |       |
|                                                      | PERMIT REQUIREMENT | NA                                                      | NA                   |       |                                                                      |         |         |                      | CONT                                   | REC                       |       |
| DISCHARGE TEMPERATURE<br>OPEN/HELPER/CLOSED<br>MODES | SAMPLE MEASUREMENT |                                                         | 52/52/57             | °F    |                                                                      |         |         | 0                    | CONT                                   | REC                       |       |
|                                                      | PERMIT REQUIREMENT | NA                                                      | 112.5/<br>97.0/101.0 |       |                                                                      |         |         |                      | CONT                                   | REC                       |       |
| DOWNSTREAM TEMPERATURE                               | SAMPLE MEASUREMENT |                                                         | 56.6                 | °F    |                                                                      |         |         | 0                    | CONT                                   | REC                       |       |
|                                                      | PERMIT REQUIREMENT | NA                                                      | 86.9                 |       |                                                                      |         |         |                      | CONT                                   | REC                       |       |
| RESERVOIR TEMPERATURE<br>RISE                        | SAMPLE MEASUREMENT |                                                         | 4.4                  | °F    |                                                                      |         |         | 0                    | CONT                                   | REC                       |       |
|                                                      | PERMIT REQUIREMENT | NA                                                      | 5.4                  |       |                                                                      |         |         |                      | CONT                                   | REC                       |       |
| RESERVOIR TEMPERATURE<br>RATE OF RISE                | SAMPLE MEASUREMENT |                                                         | 1.1                  | °F/HR |                                                                      |         |         | 0                    | CONT                                   | REC                       |       |
|                                                      | PERMIT REQUIREMENT | NA                                                      | 3.6                  |       |                                                                      |         |         |                      | CONT                                   | REC                       |       |
| pH                                                   | SAMPLE MEASUREMENT |                                                         |                      |       | 7.1                                                                  |         | 8.6     | UNITS                | 0                                      | 31/30                     | GR    |
|                                                      | PERMIT REQUIREMENT |                                                         |                      |       | 6.0                                                                  |         | 9.0     |                      |                                        | 1/1                       | GR    |
| TOTAL CHLORINE<br>RESIDUAL                           | SAMPLE MEASUREMENT | NOT CHLORINATING                                        |                      |       |                                                                      |         |         | MG/L                 |                                        |                           |       |
|                                                      | PERMIT REQUIREMENT |                                                         |                      |       | NA                                                                   | NA      | 0.1     |                      |                                        | CONT                      | REC   |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |                     |          |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | TELEPHONE                                                    |                     | DATE     |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
024  
DISCHARGE NUMBER

DIFFUSER GATE

| MONITORING PERIOD |         |         |    |         |         |         |
|-------------------|---------|---------|----|---------|---------|---------|
| YEAR              | MO      | DAY     | TO | YEAR    | MO      | DAY     |
| 81                | 03      | 01      |    | 81      | 04      | 01      |
| (20-21)           | (22-23) | (24-25) |    | (26-27) | (28-29) | (30-31) |

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                                                | X                     | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |                                                                 | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|---------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------------------------------------------------------|---------|-----------------------------------------------------------------|----------------------|----------------------------------------|---------------------------|-------|
|                                                                     |                       | AVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM                                                         |                      |                                        |                           | UNITS |
| MANUAL TOTAL CHLORINE<br>RESIDUAL                                   | SAMPLE<br>MEASUREMENT | NOT CHLORINATED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         |                                                                 |                      |                                        |                           |       |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       | NA                                                   | NA      | 0.1                                                             |                      | 1/1                                    | MULT<br>GR                |       |
| CHLORIDE                                                            | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | 2.2                                                             | MG/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| OIL AND GREASE                                                      | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | <5.0                                                            | MG/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| SODIUM                                                              | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | 0.64                                                            | MG/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| SULFATE                                                             | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | 32                                                              | MG/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| SUSPENDED SOLIDS                                                    | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | 6.0                                                             | MG/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| SETTLABLE SOLIDS                                                    | SAMPLE<br>MEASUREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | <0.5                                                            | ML/L                 | 0                                      | 1/30                      | GR    |
|                                                                     | PERMIT<br>REQUIREMENT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NA                                                              |                      | 1/30                                   | GR                        |       |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                       | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years. |         |       |                                                      |         | TELEPHONE                                                       |                      | DATE                                   |                           |       |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |                      | FTS<br>AREA<br>CODE                    | 857-3173                  | 81    |
| TYPED OR PRINTED                                                    |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |       |                                                      |         | NUMBER                                                          |                      | YEAR                                   | MO                        | DAY   |

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

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

(2-16)  
TN0026450  
PERMIT NUMBER

(17-19)  
024  
DISCHARGE NUMBER

DIFFUSER GATE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)  
81 03 01 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                    | (3 Card Only)<br>(46-53) QUANTITY OR LOADING<br>(54-61) |         |       | (4 Card Only)<br>(58-65) QUALITY OR CONCENTRATION<br>(66-73) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |       |
|----------------------|--------------------|---------------------------------------------------------|---------|-------|--------------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|-------|
|                      |                    | AVERAGE                                                 | MAXIMUM | UNITS | MINIMUM                                                      | AVERAGE | MAXIMUM |                      |                                        |                           | UNITS |
| DISSOLVED SOLIDS     | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | 143     | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| TOTAL SOLIDS         | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | 143     | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| AMMONIA NITROGEN     | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | 0.97    | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| TOTAL COPPER         | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | <0.01   | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| TOTAL IRON           | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | <0.01   | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| TOTAL MANGANESE      | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | <0.01   | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |
| TOTAL ZINC           | SAMPLE MEASUREMENT |                                                         |         |       |                                                              |         | <0.01   | MG/L                 | 0                                      | 1/30                      | GR    |
|                      | PERMIT REQUIREMENT |                                                         |         |       |                                                              |         | NA      |                      | 0                                      | 1/30                      | GR    |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                     |          |      |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.) | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE           |          | DATE |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              | FTS<br>AREA<br>CODE | 857-3173 | 81   | 05 | 28 |

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



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828


(2-16) TN0026450  
PERMIT NUMBER  
(17-19) 024  
DISCHARGE NUMBER

DIFFUSER GATE

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM YEAR 81 MO 03 DAY 01 TO YEAR 81 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |  | (3 Card Only)<br>QUANTITY OR LOADING<br>(46-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|-----------------------------------------------------------------------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                                                                                   | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| BORON                | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         | *       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       | NA                                                   | NA      | 1.1     |                      | 1/1                                    | GR                        |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT REQUIREMENT                                                                |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                     |          |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.) | TELEPHONE                                                    |                     | DATE     |    |    |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

\*No boron wastes were discharged.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

TN0026450  
PERMIT NUMBER

025  
DISCHARGE NUMBER

PLANT AND ERCW INTAKES

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 03 01 TO 81 04 01  
(2021) (2022) (2023) (2021) (2022) (2023)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)                       |                       | QUANTITY OR LOADING<br>(46-52) |          |       | QUALITY OR CONCENTRATION<br>(56-61) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|--------------------------------------------|-----------------------|--------------------------------|----------|-------|-------------------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                                            |                       | AVERAGE                        | MAXIMUM  | UNITS | MINIMUM                             | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| FLOW<br>PLANT INTAKE/<br>ERCW INTAKE       | SAMPLE<br>MEASUREMENT |                                | 1,128/49 | MGD   |                                     |         |         |       | 0                    | CONT                                   | REC                       |
|                                            | PERMIT<br>REQUIREMENT | NA                             | NA       |       |                                     |         |         |       |                      | CONT                                   | P LOG                     |
| PLANT INTAKE<br>AMBIENT TEMPERATURE        | SAMPLE<br>MEASUREMENT |                                | 55       | °F    |                                     |         |         |       | 0                    | 1/HR                                   | REC                       |
|                                            | PERMIT<br>REQUIREMENT | NA                             | NA       |       |                                     |         |         |       |                      | 1/HR                                   | BFC                       |
| PLANT INTAKE<br>TOTAL CHLORINE<br>RESIDUAL | SAMPLE<br>MEASUREMENT |                                |          |       |                                     |         | *       | MG/L  |                      |                                        |                           |
|                                            | PERMIT<br>REQUIREMENT |                                |          |       | NA                                  | NA      | NA      |       | 1/7                  |                                        | MULT<br>GR                |
| ERCW<br>CHLORIDE                           | SAMPLE<br>MEASUREMENT |                                |          |       |                                     |         | 1.9     | MG/L  | 0                    | 1/30                                   | GR                        |
|                                            | PERMIT<br>REQUIREMENT |                                |          |       |                                     | NA      | NA      |       | 1/30                 |                                        | 8-HR<br>COMP              |
| ERCW<br>SODIUM                             | SAMPLE<br>MEASUREMENT |                                |          |       |                                     |         | 0.64    | MG/L  | 0                    | 1/30                                   | GR                        |
|                                            | PERMIT<br>REQUIREMENT |                                |          |       |                                     |         | NA      |       | 1/30                 |                                        | 8-HR<br>COMP              |
| ERCW<br>SULFATE                            | SAMPLE<br>MEASUREMENT |                                |          |       |                                     |         | 22      | MG/L  | 0                    | 1/30                                   | GR                        |
|                                            | PERMIT<br>REQUIREMENT |                                |          |       |                                     |         | NA      |       | 1/30                 |                                        | 8-HR<br>COMP              |
| ERCW<br>SUSPENDED SOLIDS                   | SAMPLE<br>MEASUREMENT |                                |          |       |                                     |         | 2.4     | MG/L  | 0                    | 1/30                                   | GR                        |
|                                            | PERMIT<br>REQUIREMENT |                                |          |       |                                     |         | NA      |       | 1/30                 |                                        | 8-HR<br>COMP              |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$20,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE 857-3173  
DATE 81 05 28  
FTS AREA CODE NUMBER YEAR MO DAY

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

PLANT INTAKE/ERCW FLOW QUANTITY IS MAXIMUM VALUE DURING SAMPLING PERIOD. PLANT INTAKE AMBIENT TEMPERATURE DATA: (1) ARE REPORTED AS THE MAXIMUM OF THE HOURLY CALCULATED VALUES FOR THE SAMPLING PERIOD, AND (2) WILL BE BOTH TEMPORALLY AND SPATIALLY AVERAGED UPON COMPLETION OF THE PERMANENT MONITOR.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

FACILITY SEQUOIAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

2/66  
TN0026450  
PERMIT NUMBER

PLANT AND ERCW INTAKES

MCWATERING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 81 03 01 TO 81 04 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(12-17)      | 13 Card Only: QUANTITY OR LOADING<br>(46-51) |         |       | 14 Card Only: QUALITY OR CONCENTRATION<br>(52-57) |         |       | NO. EX. ANALYSIS<br>(58-59) | FREQUENCY OF ANALYSIS<br>(60-62) | SAMPLE TYPE<br>(63-65) |
|---------------------------|----------------------------------------------|---------|-------|---------------------------------------------------|---------|-------|-----------------------------|----------------------------------|------------------------|
|                           | AVERAGE                                      | MAXIMUM | UNITS | AVERAGE                                           | MAXIMUM | UNITS |                             |                                  |                        |
| ERCW<br>SETTLEABLE SOLIDS | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>DISSOLVED SOLIDS  | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>TOTAL SOLIDS      | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>AMMONIA NITROGEN  | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>TOTAL COPPER      | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>TOTAL IRON        | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |
| ERCW<br>TOTAL MANGANESE   | SAMPLE MEASUREMENT                           |         |       |                                                   |         |       | 0                           | 1/30                             | GR                     |
|                           | PERMIT REQUIREMENT                           |         |       |                                                   |         |       |                             | 1/30                             | 8-HR COMP              |

15. I, \_\_\_\_\_, CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY KNOWLEDGE AND BELIEF, THE INFORMATION IS TRUE AND ACCURATE. I AM NOT PROVIDING ANY INFORMATION THAT I KNOW TO BE FALSE, INACCURATE, OR COMPLETED BY ANOTHER PERSON. I AM NOT PROVIDING ANY INFORMATION THAT I KNOW TO BE FALSE, INACCURATE, OR COMPLETED BY ANOTHER PERSON. I AM NOT PROVIDING ANY INFORMATION THAT I KNOW TO BE FALSE, INACCURATE, OR COMPLETED BY ANOTHER PERSON.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE

857-3173  
81 05 28

NOTE: Read instructions before completing this form.



PERMITTEE NAME/ADDRESS (Include Facility Name, Location & Zip Code)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37826

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

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

PERMIT NUMBER TN0025450  
DISCHARGE NUMBER 001

MONITORING PERIOD  
YEAR MONTH DAY FROM TO  
81 04 01 81 05 01

# CONSTRUCTION SEWAGE TREATMENT PLANT

NOTE: Read instructions before completing this form.

| PARAMETER (2-37)          | QUANTITY OR LOADING (3-45)                           |                |              | QUALITY OR CONCENTRATION (5-45) |                 |               | NO. OF ANALYSES (6-45) | FREQUENCY OF ANALYSIS (6-45) | SAMPLE TYPE (6-70) |
|---------------------------|------------------------------------------------------|----------------|--------------|---------------------------------|-----------------|---------------|------------------------|------------------------------|--------------------|
|                           | AVERAGE (46-57)                                      | MAXIMUM (3-45) | UNITS (3-45) | AVERAGE (46-57)                 | MINIMUM (46-57) | UNITS (46-57) |                        |                              |                    |
| FLOW                      | SAMPLE MEASUREMENT 0.002<br>PERMIT REQUIREMENT 0.030 | 0.013          | MGD          |                                 |                 |               | 0                      | 28/30                        | WEIR               |
| EFFLUENT BOD <sub>5</sub> | SAMPLE MEASUREMENT 0.10<br>PERMIT REQUIREMENT 7.5    | 0.11           | LBS/DAY      | <1.0                            |                 | 1.6           | 0                      | 2/30                         | GR                 |
| EFFLUENT SUSPENDED SOLIDS | SAMPLE MEASUREMENT 0.35<br>PERMIT REQUIREMENT 7.5    | 11.0           | LBS/DAY      | 3.0                             |                 | 45            | 0                      | 2/30                         | GR                 |
| SETTLABLE SOLIDS          | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             | 11.0           |              |                                 |                 |               | 0                      | 2/30                         | GR                 |
| TOTAL CHLORINE RESIDUAL   | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | <0.1                            |                 | 0.1           | 0                      | 26/30                        | GR                 |
| FECAL COLIFORM            | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | 0.5                             |                 | 9.0           | 0                      | 27/30                        | GR                 |
| pH                        | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | NA                              |                 | NA            | 1/1                    | 1/1                          | GR                 |
|                           | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | <10                             |                 | <10           | 0                      | 2/30                         | GR                 |
|                           | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | NA                              |                 | NA            | 2/30                   | 2/30                         | GR                 |
|                           | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | 5.8                             |                 | 7.0           | 1                      | 26/30                        | GR                 |
|                           | SAMPLE MEASUREMENT<br>PERMIT REQUIREMENT             |                |              | 6.0                             |                 | 9.0           | 1/7                    | 1/7                          | GR                 |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES (ENVIRONMENT)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
FTS 857-3173  
AREA CODE NUMBER

TELEPHONE

DATE

A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON MAY 11, 1981

CONSTRUCTION SEWAGE TREATMENT PLANT

**NOTE:** Read instructions before completing this form.

CONSTRUCTION SEWAGE TREATMENT PLANT

PERMITTEE NAME/ADDRESS (Include Facility Name if different)  
NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
002

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 81 04 01 TO 81 05 01

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37)      | (33 Cont. DMR)<br>(46-53) |         | (34 Cont. DMR)<br>(54-61) |         | (35 Cont. DMR)<br>(62-69) |          | (36 Cont. DMR)<br>(70-77) |   | NO. EX<br>ANALYSIS<br>(84-85) | FREQUENCY<br>OF ANALYSIS<br>(86-87) | SAMPLE<br>TYPE<br>(88-89) |
|---------------------------|---------------------------|---------|---------------------------|---------|---------------------------|----------|---------------------------|---|-------------------------------|-------------------------------------|---------------------------|
|                           | AVERAGE                   | MAXIMUM | UNITS                     | MINIMUM | AVERAGE                   | UNITS    | BELOW                     |   |                               |                                     |                           |
| FLOW                      |                           |         |                           |         |                           |          |                           |   |                               |                                     |                           |
| EFFLUENT BOD <sub>5</sub> | 0.015                     | 0.040   | MGD                       |         | 4.9                       | MG/L     |                           | 0 | 28/30                         | WEIR                                |                           |
|                           | 0.015                     | NA      |                           |         | 30                        |          |                           | 0 | 1/1                           | WEIR                                |                           |
| EFFLUENT SUSPENDED SOLIDS | 0.22                      | 0.59    | LBS/DAY                   |         | 5.5                       | MG/L     |                           | 0 | 2/30                          | GR                                  |                           |
|                           | 3.8                       | 5.6     |                           |         | 30                        |          |                           | 0 | 2/30                          | GR                                  |                           |
| SETTLABLE SOLIDS          | 0.36                      | 5.6     | LBS/DAY                   |         | 0.5                       | ML/L     |                           | 0 | 2/30                          | GR                                  |                           |
|                           | 3.8                       |         |                           |         | 0.1                       |          |                           | 0 | 1/1                           | GR                                  |                           |
| TOTAL CHLORINE RESIDUAL   |                           |         |                           |         | NA                        |          |                           | 0 | 27/30                         | GR                                  |                           |
|                           |                           |         |                           |         | NA                        |          |                           | 0 | 1/1                           | GR                                  |                           |
| FECAL COLIFORM            |                           |         |                           |         | <72                       | N/100 ML |                           | 0 | 2/30                          | GR                                  |                           |
|                           |                           |         |                           |         | NA                        |          |                           | 0 | 2/30                          | GR                                  |                           |
| PH                        |                           |         |                           |         | 6.6                       | UNITS    |                           | 0 | 26/30                         | GR                                  |                           |
|                           |                           |         |                           |         | 9.0                       |          |                           | 0 | 1/7                           | GR                                  |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TELEPHONE  
857-3173

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
81 05 28

OFFICER OR AUTHORIZED AGENT  
YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS, (provide an explanation if any)





NOTE: Read instructions before completing this form.

| PARAMETER<br>(17-17)                                                | SAMPLE<br>MEASUREMENT<br>PERMIT<br>REQUIREMENT | QUANTITY OR LOADING<br>(19-21) |                    |                  | QUALITY OR CONCENTRATION<br>(16-18) |                    |                    | NO.<br>EX<br>ANALYSIS<br>(19-20) | FREQUENCY<br>ANALYSIS<br>(19-20) | SAMPLE<br>TYPE<br>(19-20) |          |  |  |
|---------------------------------------------------------------------|------------------------------------------------|--------------------------------|--------------------|------------------|-------------------------------------|--------------------|--------------------|----------------------------------|----------------------------------|---------------------------|----------|--|--|
|                                                                     |                                                | AVERAGE<br>(19-21)             | MAXIMUM<br>(19-21) | UNITS<br>(19-21) | AVERAGE<br>(16-18)                  | MINIMUM<br>(16-18) | MAXIMUM<br>(16-18) |                                  |                                  |                           |          |  |  |
| FLOW                                                                | SAMPLE<br>MEASUREMENT                          | 0.013                          | 0.019              | MGD              |                                     |                    |                    | 0                                | 30/30                            | WEIR                      |          |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          | 0.0149                         | NA                 |                  |                                     |                    |                    |                                  | 1/1                              | WEIR                      |          |  |  |
| EFFLUENT BOD <sub>5</sub>                                           | SAMPLE<br>MEASUREMENT                          | >9.7                           | >14                | LBS/DAY          | 46                                  |                    | >83                |                                  | 3                                | 2/30                      | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          | 3.7                            | 5.6                |                  | NA                                  |                    | 30                 |                                  | 2/30                             | GR                        |          |  |  |
| EFFLUENT SUSPENDED<br>SOLIDS                                        | SAMPLE<br>MEASUREMENT                          | 3.2                            | 3.3                | LBS/DAY          | 27                                  |                    | 27                 |                                  | 0                                | 2/30                      | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          | 3.7                            | 5.6                |                  | NA                                  |                    | 30                 |                                  | 2/30                             | GR                        |          |  |  |
| SETTLABLE SOLIDS                                                    | SAMPLE<br>MEASUREMENT                          |                                |                    |                  | <0.1                                |                    | <0.1               |                                  | 0                                | 30/30                     | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          |                                |                    |                  | NA                                  |                    | NA                 |                                  | 1/1                              | GR                        |          |  |  |
| TOTAL CHLORINE<br>RESIDUAL                                          | SAMPLE<br>MEASUREMENT                          |                                |                    |                  | 0.5                                 |                    | 1.7                |                                  | 0                                | 30/30                     | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          |                                |                    |                  | NA                                  |                    | NA                 |                                  | 1/1                              | GR                        |          |  |  |
| FECAL COLIFORM                                                      | SAMPLE<br>MEASUREMENT                          |                                |                    |                  | <10                                 |                    | <10                |                                  | 0                                | 2/30                      | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          |                                |                    |                  | NA                                  |                    | NA                 |                                  | 2/30                             | GR                        |          |  |  |
| PH                                                                  | SAMPLE<br>MEASUREMENT                          |                                |                    |                  | 6.7                                 |                    | 8.1                |                                  | 0                                | 5/30                      | GR       |  |  |
|                                                                     | PERMIT<br>REQUIREMENT                          |                                |                    |                  | 6.0                                 |                    | 9.0                |                                  | 1/7                              | GR                        |          |  |  |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER                              |                                                | QUANTITY OR LOADING (19-21)    |                    |                  | QUALITY OR CONCENTRATION (16-18)    |                    |                    | TELEPHONE                        |                                  |                           | DATE     |  |  |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |                                                | FIS 857-3173                   |                    |                  | 81 05 28                            |                    |                    | 857-3173                         |                                  |                           | 81 05 28 |  |  |
| SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT     |                                                | FIS 857-3173                   |                    |                  | 81 05 28                            |                    |                    | 857-3173                         |                                  |                           | 81 05 28 |  |  |

A noncompliance statement was submitted on April 17 and May 11, 1981.

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

SENDER NAME/ADDRESS (Include Permit Number)  
NAME: TENNESSEE VALLEY AUTHORITY  
ADDRESS: 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

CONSTRUCTION RUNOFF

PERMIT NUMBER: TN0026450  
DISCHARGE NUMBER: 004

FACILITY: SEQUOIAH NUCLEAR PLANT  
LOCATION: SODDY, TN 37379

MONITORING PERIOD  
FROM: 81 04 01 TO: 81 05 01  
TIME: 09:00 TO: 16:00

NOTE: Read instructions before completing this form.

| PARAMETER (C-17) | AVERAGE (C-18) |                    |       | MAXIMUM (C-19) |                    |       | MINIMUM (C-20) |                    |       | QUALITY OR CONCENTRATION (C-21) |                    |       | NO. OF ANALYSES (C-22) | FREQUENCY OF ANALYSIS (C-23) | SAMPLE TYPE (C-24) |
|------------------|----------------|--------------------|-------|----------------|--------------------|-------|----------------|--------------------|-------|---------------------------------|--------------------|-------|------------------------|------------------------------|--------------------|
|                  | MEASUREMENT    | PERMIT REQUIREMENT | UNITS | MEASUREMENT    | PERMIT REQUIREMENT | UNITS | MEASUREMENT    | PERMIT REQUIREMENT | UNITS | MEASUREMENT                     | PERMIT REQUIREMENT | UNITS |                        |                              |                    |
| FLOW             | MEASUREMENT    | NA                 | MGD   | MEASUREMENT    | NA                 | MGD   | MEASUREMENT    | NA                 | MGD   | MEASUREMENT                     | NA                 | MGD   | 1/7                    | GR                           |                    |
| SUSPENDED SOLIDS | MEASUREMENT    | NA                 | MG/L  | MEASUREMENT    | NA                 | MG/L  | MEASUREMENT    | NA                 | MG/L  | MEASUREMENT                     | NA                 | MG/L  | 1/7                    | GR                           |                    |
| SETTLABLE SOLIDS | MEASUREMENT    | NA                 | ML/L  | MEASUREMENT    | NA                 | ML/L  | MEASUREMENT    | NA                 | ML/L  | MEASUREMENT                     | NA                 | ML/L  | 1/7                    | GR                           |                    |
| TURBIDITY        | MEASUREMENT    | NA                 | ITU   | MEASUREMENT    | NA                 | ITU   | MEASUREMENT    | NA                 | ITU   | MEASUREMENT                     | NA                 | ITU   | 1/7                    | GR                           |                    |
| PH               | MEASUREMENT    | 6.0                | UNITS | MEASUREMENT    | 9.0                | UNITS | MEASUREMENT    | 9.0                | UNITS | MEASUREMENT                     | 9.0                | UNITS | 1/7                    | GR                           |                    |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: M. T. EL-ASHRY, ASST. MGR. OF NATURAL RESOURCES (ENVIRONMENT)  
TYPED OR PRINTED  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: [Signature]  
OFFICER OR AUTHORIZED AGENT: [Signature]  
FTS: 857-3173  
AREA CODE: 81  
MO: 05  
DAY: 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS, PERMITS OR DISCHARGES:

MA28 TENNESSEE VALLEY AUTHORITY  
 ADDRESS 215 NATURAL RESOURCES BUILDING  
 MORRIS, TN 37828

FACILITY SEQUOIAH NUCLEAR PLANT  
 LOCATION SONOT, TN 37379

TN0026450  
 PERMIT NUMBER

MONITORING PERIOD  
 YEAR MONTH DAY  
 FROM 81 04 01 TO 81 05 01

CONSTRUCTION RUNOFF

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | (3 Cont Dis) (46-50) |         | (4 Cont Dis) (54-57) |         | (5 Cont Dis) (62-65) |       | (6 Cont Dis) (70-73) |         | (7 Cont Dis) (78-81) |         | (8 Cont Dis) (86-89) |       | (9 Cont Dis) (94-97) |         | NO. EX. ANALYSIS (94-95) | FREQUENCY OF ANALYSIS (96-97) | SAMPLE TYPE (98-99) |
|----------------------|----------------------|---------|----------------------|---------|----------------------|-------|----------------------|---------|----------------------|---------|----------------------|-------|----------------------|---------|--------------------------|-------------------------------|---------------------|
|                      | AVERAGE              | MAXIMUM | UNITS                | MINIMUM | AVERAGE              | UNITS | MINIMUM              | AVERAGE | UNITS                | MINIMUM | AVERAGE              | UNITS | MINIMUM              | AVERAGE |                          |                               |                     |
| SUSPENDED SOLIDS     | NO DISCHARGE         |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
| SETTLABLE SOLIDS     |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
| TURBIDITY            |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
| pH                   |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      | SAMPLE MEASUREMENT   |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |
|                      |                      |         |                      |         |                      |       |                      |         |                      |         |                      |       |                      |         |                          |                               |                     |

NOTE: Read instructions before completing this form.



NOTE: Read instructions before completing this form.

| PARAMETER<br>(22-31)    | (3 Card DMR)<br>(46-55) |         | QUANTITY OR LOADING<br>(34-41) |         | (4 Card DMR)<br>(56-65) |      | QUALITY OR CONCENTRATION<br>(56-67) |       | NO.<br>EX | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|-------------------------|-------------------------|---------|--------------------------------|---------|-------------------------|------|-------------------------------------|-------|-----------|----------------------------------------|---------------------------|
|                         | AVERAGE                 | MAXIMUM | UNITS                          | MINIMUM | AVERAGE                 | UNIT |                                     |       |           |                                        |                           |
| FLOW                    | SAMPLE MEASUREMENT      | 4.9     | 9.0                            | MCD     |                         |      |                                     |       | 0         | CONT.                                  | REC                       |
|                         | PERMIT REQUIREMENT      | NA      | NA                             |         |                         |      |                                     |       |           | CONT                                   | REC                       |
| SUSPENDED SOLIDS        | SAMPLE MEASUREMENT      |         |                                |         | 1.2                     | 14   | 88                                  | MG/L  | 0         | 30/30                                  | GR                        |
|                         | PERMIT REQUIREMENT      |         |                                |         | NA                      | 30   | 100                                 |       |           | 5/7                                    | GR                        |
| OIL AND GREASE          | SAMPLE MEASUREMENT      |         |                                |         | <5.0                    | <5.0 | <5.0                                | MG/L  | 0         | 5/30                                   | GR                        |
|                         | PERMIT REQUIREMENT      |         |                                |         |                         | 15   | 20                                  |       |           | 1/7                                    | GR                        |
| TOTAL CHLORINE RESIDUAL | SAMPLE MEASUREMENT      |         |                                |         | <0.1                    | <0.1 | <0.1                                | MG/L  | 0         | 4/30                                   | GR                        |
|                         | PERMIT REQUIREMENT      |         |                                |         | NA                      | NA   | NA                                  |       |           | 1/7                                    | MULTI GR                  |
| pH                      | SAMPLE MEASUREMENT      |         |                                |         | 6.7                     | 9.3  | 9.3                                 | UNITS | 1         | 30/30                                  | GR                        |
|                         | PERMIT REQUIREMENT      |         |                                |         | 6.0                     | 9.0  | 9.0                                 |       |           | 5/7                                    | GR                        |
|                         | SAMPLE MEASUREMENT      |         |                                |         |                         |      |                                     |       |           |                                        |                           |
|                         | PERMIT REQUIREMENT      |         |                                |         |                         |      |                                     |       |           |                                        |                           |
|                         | SAMPLE MEASUREMENT      |         |                                |         |                         |      |                                     |       |           |                                        |                           |
|                         | PERMIT REQUIREMENT      |         |                                |         |                         |      |                                     |       |           |                                        |                           |

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-AHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS 857-3173  
AREA CODE NUMBER

81 05 28  
YEAR MO DAY

### CONCRETE BATCH PLANT SETTLING POND

**NOTE:** Read instructions before completing this form.

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORFOLK, TN 37059

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
009

FACILITY SEQUOIAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 04 01 TO 81 05 01  
YEAR MO DAY YEAR MO DAY

PREOPERATIONAL METAL CLEANING WASTE

NOTE: Read instructions before completing this form.

| PARAMETER<br>(2-37)                                                                                                            | QUANTITY OR LOADING<br>(4-53) |                   |                 | QUALITY OR CONCENTRATION<br>(5-53) |                   |                 | NO.<br>EX<br>(6-53) | FREQUENCY<br>OF<br>ANALYSIS<br>(6-53) | SAMPLE<br>TYPE<br>(6-53) |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------|-----------------|------------------------------------|-------------------|-----------------|---------------------|---------------------------------------|--------------------------|
|                                                                                                                                | AVERAGE<br>(4-53)             | MAXIMUM<br>(4-53) | UNITS<br>(4-53) | AVERAGE<br>(5-53)                  | MAXIMUM<br>(5-53) | UNITS<br>(5-53) |                     |                                       |                          |
| FLOW                                                                                                                           | NO DISCHARGE                  |                   |                 | MCD                                |                   |                 |                     |                                       |                          |
| OIL AND GREASE                                                                                                                 | SAMPLE MEASUREMENT            | NA                | NA              |                                    |                   |                 |                     |                                       |                          |
|                                                                                                                                | PERMIT REQUIREMENT            | NA                | NA              |                                    |                   |                 |                     | 1/1                                   | CAL WEIR                 |
| SUSPENDED SOLIDS                                                                                                               | SAMPLE MEASUREMENT            |                   |                 |                                    | 15                | 20              |                     | 1/7                                   | GR                       |
|                                                                                                                                | PERMIT REQUIREMENT            |                   |                 |                                    |                   |                 |                     |                                       |                          |
| TOTAL COPPER                                                                                                                   | SAMPLE MEASUREMENT            |                   |                 |                                    | 30                | 100             |                     | 1/7                                   | 8-HR COMP                |
|                                                                                                                                | PERMIT REQUIREMENT            |                   |                 |                                    |                   |                 |                     |                                       |                          |
| TOTAL IRON                                                                                                                     | SAMPLE MEASUREMENT            |                   |                 |                                    | 1.0               | 1.0             |                     | 1/7                                   | 8-HR COMP                |
|                                                                                                                                | PERMIT REQUIREMENT            |                   |                 |                                    |                   |                 |                     |                                       |                          |
| PHOSPHORUS                                                                                                                     | SAMPLE MEASUREMENT            |                   |                 |                                    | 1.0               | 1.0             |                     | 1/7                                   | 8-HR COMP                |
|                                                                                                                                | PERMIT REQUIREMENT            |                   |                 |                                    |                   |                 |                     |                                       |                          |
| COD                                                                                                                            | SAMPLE MEASUREMENT            |                   |                 |                                    | 1.0               | 1.0             |                     | 1/7                                   | 8-HR COMP                |
|                                                                                                                                | PERMIT REQUIREMENT            |                   |                 |                                    |                   |                 |                     |                                       |                          |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASERY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)                  |                               |                   |                 |                                    |                   |                 |                     |                                       |                          |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (8-79) (9-79) (10-79) (11-79) (12-79)                                                |                               |                   |                 |                                    |                   |                 |                     |                                       |                          |
| SIGNED OR PRINTED<br>OFFICER OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT<br>AREA CODE<br>NUMBER<br>TELEPHONE<br>DATE |                               |                   |                 |                                    |                   |                 |                     |                                       |                          |

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

NOTE: Read instructions before completing this form.



**NOTE:** Read instructions before completing this form.

RECYCLED COOLING WATER

**NOTE:** Read instructions before completing this form.

NOTE: Read instructions before completing this form.

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED



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

LIQUID RADWASTE

**NOTE:** Read instructions before completing this form.

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 215 NATURAL RESOURCES BUILDING  
 NORRIS, TN 37828

FACILITY SEQUOYAH NUCLEAR PLANT  
 LOCATION SUDDY, TN 37379

(17-19)

PERMIT NUMBER TNG026450  
 DISCHARGE NUMBER 017

MONITORING PERIOD  
 YEAR MONTH DAY FROM TO  
 81 04 01 81 05 01

OFFICE BUILDING SUMP 1

NOTE: Read instructions before completing this form.

| PARAMETER<br>(12-17) | G-Card Data (46-51) |         | QUANTITY OR LOADING<br>(54-55) |         | QUALITY OR CONCENTRATION<br>(56-61) |      | NO. OF ANALYSES<br>(62-63) | FREQUENCY OF ANALYSIS<br>(64-65) | SAMPLE TYPE<br>(66-70) |
|----------------------|---------------------|---------|--------------------------------|---------|-------------------------------------|------|----------------------------|----------------------------------|------------------------|
|                      | AVERAGE             | MAXIMUM | UNITS                          | MINIMUM | AVERAGE                             | UNIT |                            |                                  |                        |
| FLOW                 | NO DISCHARGE        | NA      | MGD                            |         |                                     |      |                            | 2/7                              | P LOC                  |
| OIL AND GREASE       | NA                  | NA      | MG/L                           | NA      | 15                                  | 20   |                            | 2/7                              | GR                     |
| SUSPENDED SOLIDS     |                     |         | MG/L                           | NA      | 30                                  | 100  |                            | 2/7                              | GR                     |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| SAMPLE MEASUREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |
| PERMIT REQUIREMENT   |                     |         |                                |         |                                     |      |                            |                                  |                        |

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

PERMITTEE NAME/ADDRESS (Include Facility Name, Location & Offsets)  
TENNESSEE VALLEY AUTHORITY  
215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

OFFICE BUILDING SUMP 2

PERMIT NUMBER  
TN0026450

MONITORING PERIOD  
FROM 81 04 01 TO 81 05 01  
YEAR MONTH DAY

FACILITY  
SEQUOYAH NUCLEAR PLANT  
LOCATION  
SODDY, TN 37379

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | AVERAGE<br>(46-51) |              | MAXIMUM<br>(52-61) |              | MINIMUM<br>(62-71) |              | AVERAGE<br>(72-81) |              | QUALITY OR CONCENTRATION<br>(82-91) | UNITS | NO. OF ANALYSES<br>(92-93) | FREQUENCY OF ANALYSIS<br>(94-95) | SAMPLE TYPE<br>(96-10) |
|----------------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|-------------------------------------|-------|----------------------------|----------------------------------|------------------------|
|                      | NO DISCHARGE       | NA           | NA                 | NA           | NA                 | 15           | 20                 | MG/L         |                                     |       |                            |                                  |                        |
| FLOW                 | SAMPLE MEASUREMENT | NO DISCHARGE | NO DISCHARGE       | NO DISCHARGE | NO DISCHARGE       | NO DISCHARGE | NO DISCHARGE       | NO DISCHARGE | NO DISCHARGE                        | MG/L  | 2/7                        | 2/7                              | P LOG                  |
| OIL AND GREASE       | SAMPLE MEASUREMENT | NA           | NA                 | NA           | NA                 | NA           | NA                 | 15           | 20                                  | MG/L  | 2/7                        | 2/7                              | GR                     |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT | NA           | NA                 | NA           | NA                 | NA           | NA                 | 30           | 100                                 | MG/L  | 2/7                        | 2/7                              | GR                     |
|                      | PERMIT REQUIREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | SAMPLE MEASUREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | PERMIT REQUIREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | SAMPLE MEASUREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | PERMIT REQUIREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | SAMPLE MEASUREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | PERMIT REQUIREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | SAMPLE MEASUREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |
|                      | PERMIT REQUIREMENT |              |                    |              |                    |              |                    |              |                                     |       |                            |                                  |                        |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-AASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)  
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
857-3173

DATE  
81 05 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

(REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED)

PAGE 77 OF 87

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

|               |  |                  |  |
|---------------|--|------------------|--|
| (2-16)        |  | (17-19)          |  |
| TN0026450     |  | 019              |  |
| PERMIT NUMBER |  | DISCHARGE NUMBER |  |

| MONITORING PERIOD |         |         |         |         |         |
|-------------------|---------|---------|---------|---------|---------|
| YEAR              | MO      | DAY     | YEAR    | MO      | DAY     |
| 81                | 04      | 01      | 81      | 05      | 01      |
| (01-21)           | (22-31) | (01-21) | (22-31) | (01-21) | (22-31) |

SERVICE BUILDING SUMP

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) | X                  | (3 Card Only)<br>(45-52) |         |       | (4 Card Only)<br>(38-45) |         |         |       | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-68) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------|--------------------------|---------|-------|--------------------------|---------|---------|-------|----------------------|----------------------------------------|---------------------------|
|                      |                    | AVERAGE                  | MAXIMUM | UNITS | MINIMUM                  | AVERAGE | MAXIMUM | UNITS |                      |                                        |                           |
| FLOW                 | SAMPLE MEASUREMENT | 0.012                    | 0.110   | MGD   |                          |         |         |       | 0                    | 9/39                                   | GR                        |
|                      | PERMIT REQUIREMENT | NA                       | NA      |       |                          |         |         |       |                      | 2/7                                    | P LOG                     |
| OIL AND GREASE       | SAMPLE MEASUREMENT |                          |         |       | <5.0                     | <6.6    | 13      | MG/L  | 0                    | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                          |         |       | NA                       | 15      | 20      |       |                      | 2/7                                    | GR                        |
| SUSPENDED SOLIDS     | SAMPLE MEASUREMENT |                          |         |       | 5.6                      | 46      | 222     | MG/L  | 1                    | 8/30                                   | GR                        |
|                      | PERMIT REQUIREMENT |                          |         |       | NA                       | 30      | 100     |       |                      | 2/7                                    | GR                        |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | SAMPLE MEASUREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |
|                      | PERMIT REQUIREMENT |                          |         |       |                          |         |         |       |                      |                                        |                           |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                     |          |    |    |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|----------|----|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under 33 U.S.C. include fines up to \$50,000 and/or imprisonment consisting of between 1, 5 years and 15 years.) | TELEPHONE                                                       |                     | DATE     |    |    |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>AREA<br>CODE | 857-3173 | 81 | 05 |

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

THERE WAS NO DISCHARGE ONCE DURING THIS REPORTING PERIOD.  
A NONCOMPLIANCE STATEMENT WAS SUBMITTED ON MAY 5, 1981.



PERMITTEE NAME/ADDRESS (Print)  
NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

PERMIT NUMBER  
TN0026450  
DISCHARGE NUMBER  
020

Facility Name (Location if different)  
DIESEL GENERATING BUILDING  
OIL AND GREASE INTERCEPTOR

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SADDY, TN 37319  
MONITORING PERIOD  
FROM 83 04 01 TO 81 05 01  
YEAR MO DAY YEAR MO DAY

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | 13 Cond Disch (46-51) |         | 14 Efflu Disch (52-57) |         | 15 Efflu Disch (58-63) |       | 16 Efflu Disch (64-69) |              | FREQ OF ANALYSIS (64-69) | NO. OF EX (62-63) | SAMPLING TYPE (69-70) |
|-------------------|-----------------------|---------|------------------------|---------|------------------------|-------|------------------------|--------------|--------------------------|-------------------|-----------------------|
|                   | AVERAGE               | MAXIMUM | UNITS                  | MINIMUM | AVERAGE                | UNITS | CONC (54-57)           | CONC (64-69) |                          |                   |                       |
| FLOW              | SAMPLE MEASUREMENT    | *       | MGD                    |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    | NA      |                        |         |                        |       |                        |              |                          |                   | P LOG OR GR           |
| OIL AND GREASE    | SAMPLE MEASUREMENT    |         |                        |         | <5.0**                 |       | 10**                   |              | 2/7                      | 0                 | GR                    |
|                   | PERMIT REQUIREMENT    | NA      |                        |         | NA                     |       | 20                     |              | 2/7                      |                   | GR                    |
| SUSPENDED SOLIDS  | SAMPLE MEASUREMENT    |         |                        |         | 3.2**                  |       | 15**                   |              | 0                        | 9/30              | GR                    |
|                   | PERMIT REQUIREMENT    |         |                        |         | NA                     |       | 100                    |              | 2/7                      |                   | GR                    |
|                   | SAMPLE MEASUREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | SAMPLE MEASUREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | SAMPLE MEASUREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | SAMPLE MEASUREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | SAMPLE MEASUREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |
|                   | PERMIT REQUIREMENT    |         |                        |         |                        |       |                        |              |                          |                   |                       |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHBY, ASST. MGR.  
OF NATURAL RESOURCES (ENVIRONMENT)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE

FTS 857-3173  
YEAR 81  
MO 05  
DAY 28

SODIUM HYPOCHLORITE BUILDING  
FLOOR AND EQUIPMENT DRAINS

NOTE: Read instructions before completing this form.

**NOTE:** Read instructions before completing this form.

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

PERMITTEE NAME/ADDRESS (Include  
Facility Name, Location, & Elevation)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37826

PERMIT NUMBER TN0026450  
DISTRICT NUMBER 024

DIFFUSER GATE

MONITORING PERIOD  
YEAR MO DAY  
FROM 81 04 01 TO 81 05 01

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

NOTE: Read instructions before completing this form.

| PARAMETER<br>(2-7)                                                                     | 1. CUP (4-5)<br>(4-5.1) |                      | 2. QUANTITY OR LOADING<br>(4-5.2) |         | 3. CUP ONLY<br>(4-5.3) |         | 4. CUP ONLY<br>(4-5.4) |  | NO. EX. ANALYSIS<br>(4-5.5) | FREQUENCY<br>ANALYSIS<br>(4-5.6) | SAMPLE<br>TYPE<br>(4-5.7) |
|----------------------------------------------------------------------------------------|-------------------------|----------------------|-----------------------------------|---------|------------------------|---------|------------------------|--|-----------------------------|----------------------------------|---------------------------|
|                                                                                        | AVERAGE                 | MAXIMUM              | UNITS                             | MINIMUM | AVERAGE                | MAXIMUM | UNITS                  |  |                             |                                  |                           |
| FLOW                                                                                   | SAMPLE MEASUREMENT      | 311                  | 773                               | MGD     |                        |         |                        |  | 0                           | CONT                             | REC                       |
|                                                                                        | PERMIT REQUIREMENT      | NA                   | NA                                |         |                        |         |                        |  |                             | CONT                             | REC                       |
| DISCHARGE TEMPERATURE<br>OPEN/HELPER/CLOSED<br>MODES                                   | SAMPLE MEASUREMENT      | 70/68/71             | °F                                |         |                        |         |                        |  | 0                           | CONT                             | REC                       |
|                                                                                        | PERMIT REQUIREMENT      | 112.5/<br>97.0/101.0 |                                   |         |                        |         |                        |  |                             | CONT                             | REC                       |
| DOWNSTREAM TEMPERATURE                                                                 | SAMPLE MEASUREMENT      | 71                   | °F                                |         |                        |         |                        |  | 0                           | CONT                             | REC                       |
|                                                                                        | PERMIT REQUIREMENT      | NA                   | 86.9                              |         |                        |         |                        |  |                             | CONT                             | REC                       |
| RESERVOIR TEMPERATURE<br>RISE                                                          | SAMPLE MEASUREMENT      | 5.6                  | °F                                |         |                        |         |                        |  | 1                           | CONT                             | REC                       |
|                                                                                        | PERMIT REQUIREMENT      | NA                   | 5.4                               |         |                        |         |                        |  |                             | CONT                             | REC                       |
| RESERVOIR TEMPERATURE<br>RATE OF RISE                                                  | SAMPLE MEASUREMENT      | 2.0                  | °F/HR                             |         |                        |         |                        |  | 0                           | CONT                             | REC                       |
|                                                                                        | PERMIT REQUIREMENT      | NA                   | 3.6                               |         |                        |         |                        |  |                             | CONT                             | REC                       |
| PH                                                                                     | SAMPLE MEASUREMENT      |                      | 7.2                               | UNITS   |                        |         |                        |  | 0                           | 30/30                            | GR                        |
|                                                                                        | PERMIT REQUIREMENT      |                      | 6.0                               |         |                        |         |                        |  |                             | 1/1                              | GR                        |
| TOTAL CHLORINE<br>RESIDUAL                                                             | SAMPLE MEASUREMENT      | NOT CHLORINATED      |                                   |         |                        |         |                        |  |                             |                                  |                           |
|                                                                                        | PERMIT REQUIREMENT      |                      | NA                                | NA      |                        |         |                        |  |                             | CONT                             | REC                       |
| NAME TITLE PRINCIPAL EXECUTIVE OFFICER                                                 |                         |                      |                                   |         |                        |         |                        |  |                             |                                  |                           |
| M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCE<br>(ENVIRONMENT)<br>TYPED OR PRINTED |                         |                      |                                   |         |                        |         |                        |  |                             |                                  |                           |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                           |                         |                      |                                   |         |                        |         |                        |  |                             |                                  |                           |
| PTA 857-3173 81 05 28                                                                  |                         |                      |                                   |         |                        |         |                        |  |                             |                                  |                           |
| TELEPHONE DATE                                                                         |                         |                      |                                   |         |                        |         |                        |  |                             |                                  |                           |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reverse of Attachment Area)



NAME: TENNESSEE VALLEY AUTHORITY  
 ADDRESS: 215 NATURAL RESOURCES BUILDING  
 NORRIS, TN 37828

FACILITY: SEQUOYAH NUCLEAR PLANT  
 LOCATION: SODDY, TN 37379

PERMIT NUMBER  
 TN0026450

DISCHARGE NUMBER  
 024

MONITORING PERIOD  
 FROM 81 04 01 TO 81 05 01

DIFFUSER GATE

NOTE: Read instructions before completing this form.

| PARAMETER<br>(10-17)              | 1. (mg/L) or (lb/d) |                    | 2. (mg/L) or (lb/d) |                    | 3. (mg/L) or (lb/d) |                    | 4. (mg/L) or (lb/d) |  | NO. OF ANALYSIS<br>EX (14-15) | FREQUENCY OF ANALYSIS<br>(14-15) | SAMPLE TYPE<br>(14-15) |
|-----------------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--|-------------------------------|----------------------------------|------------------------|
|                                   | AVERAGE<br>(10-17)  | MAXIMUM<br>(10-17) | UNITS<br>(10-17)    | MINIMUM<br>(10-17) | AVERAGE<br>(10-17)  | MAXIMUM<br>(10-17) | UNITS<br>(10-17)    |  |                               |                                  |                        |
| MANUAL TOTAL CHLORINE<br>RESIDUAL |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| CHLORIDE                          |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| OIL AND GREASE                    |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| SODIUM                            |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| SULFATE                           |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| SUSPENDED SOLIDS                  |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |
| SETTLABLE SOLIDS                  |                     |                    |                     |                    |                     |                    |                     |  |                               |                                  |                        |

|                                                                                                               |  |                                                                 |  |                 |  |            |  |          |  |           |  |
|---------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|-----------------|--|------------|--|----------|--|-----------|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) |  | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT |  | PTS<br>857-3173 |  | YEAR<br>81 |  | MO<br>05 |  | DAY<br>28 |  |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Explain all violations here)                                       |  | TELEPHONE                                                       |  | DATE            |  |            |  |          |  |           |  |

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NOKRIS, IN 37828

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, IN 37379

PERMIT NUMBER  
TN0026450

DATE  
024

DIFFUSER GATE

MONITORING PERIOD

FROM 81 04 01 TO 81 05 01  
YEAR MONTH DAY

NOTE: Read instructions before completing this form.

| PARAMETER<br>(22-37) | AVERAGE<br>(46-51) |         |         | MAXIMUM<br>(48-52) |         |         | MINIMUM<br>(46-51) |         |         | QUALITY OR CONCENTRATION<br>(46-51) |  |  | UNITS | NO. EX<br>(52-53) | FREQUENCY OF ANALYSIS<br>(54-55) | SAMPLE TYPE<br>(59-70) |  |
|----------------------|--------------------|---------|---------|--------------------|---------|---------|--------------------|---------|---------|-------------------------------------|--|--|-------|-------------------|----------------------------------|------------------------|--|
|                      | (46-51)            | (48-52) | (46-51) | (48-52)            | (46-51) | (48-52) | (46-51)            | (48-52) | (46-51) | (48-52)                             |  |  |       |                   |                                  |                        |  |
| DI-SOLVED SOLIDS     | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| TOTAL SOLIDS         | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| AMMONIA NITROGEN     | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| TOTAL COPPER         | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| TOTAL IRON           | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| TOTAL MANGANESE      | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
| TOTAL ZINC           | SAMPLE MEASUREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |
|                      | PERMIT REQUIREMENT |         |         |                    |         |         |                    |         |         |                                     |  |  |       |                   |                                  |                        |  |

|                                                                                                               |                                                                 |                 |               |            |          |           |           |      |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------|---------------|------------|----------|-----------|-----------|------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT) | SIGNATURE OF PRINCIPAL EXECUTIVE<br>OFFICER OR AUTHORIZED AGENT | FTS<br>857-3173 | ARJ<br>NUMBER | YEAR<br>81 | MO<br>05 | DAY<br>28 | TELEPHONE | DATE |
|                                                                                                               |                                                                 |                 |               |            |          |           |           |      |
| COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)                                    |                                                                 |                 |               |            |          |           |           |      |

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

PERMITTEE NAME/ADDRESS (Include  
Facility Name and Location if different)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

DIFFUSER GATE  
DISCHARGE NUMBER  
024  
PERMIT NUMBER  
TN0026450

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

MONITORING PERIOD  
FROM 81 04 01 TO 81 05 01  
(MM-YY) (MM-YY)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(22-23) | QUANTITY OR LOADING<br>(54-55) |                    |                  | QUALITY OR CONCENTRATION<br>(56-58) |                    |                  | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(69-70) |
|----------------------|--------------------------------|--------------------|------------------|-------------------------------------|--------------------|------------------|----------------------|----------------------------------------|---------------------------|
|                      | AVERAGE<br>(54-55)             | MAXIMUM<br>(56-57) | UNITS<br>(58-59) | AVERAGE<br>(56-57)                  | MINIMUM<br>(58-59) | UNITS<br>(60-61) |                      |                                        |                           |
| BORON                | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT          |                    |                  |                                     |                    |                  |                      |                                        |                           |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

TELEPHONE: 857-3173 DATE: 81 05 28

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: FTS AREA CODE: 857 NUMBER: 3173 YEAR: 81 MO: 05 DAY: 28

NOTE: Read instructions before completing this form.



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828

2.6.  
TN026450  
PERMIT NUMBER

PLANT AND ERCW INTAKES

MONITORING PERIOD  
YEAR MO DAY YEAR NO DAY  
81 04 01 81 05 01

FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

NOTE: Read instructions before completing this form.

| PARAMETER<br>(2-37)      | 1. Conc (mg/L)<br>(4-53) |         | 2. Conc (mg/L)<br>(4-53) |         | 3. Conc (mg/L)<br>(4-53) |  | UNITS | THUM  | NO. EX<br>ANALYSIS<br>(6-63) | FREQUENCY<br>OF ANALYSIS<br>(6-63) | SAMPLE<br>TYPE<br>(6-70) |
|--------------------------|--------------------------|---------|--------------------------|---------|--------------------------|--|-------|-------|------------------------------|------------------------------------|--------------------------|
|                          | AVERAGE                  | MAXIMUM | UNITS                    | MINIMUM | AVERAGE                  |  |       |       |                              |                                    |                          |
| ERCW<br>SETTLABLE SOLIDS |                          |         |                          |         |                          |  | ML/L  | <0.1  | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>DISSOLVED SOLIDS |                          |         |                          |         |                          |  | MG/L  | 118   | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>TOTAL SOLIDS     |                          |         |                          |         |                          |  | MG/L  | 125   | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>AMMONIA NITROGEN |                          |         |                          |         |                          |  | MG/L  | 0.38  | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>TOTAL COPPER     |                          |         |                          |         |                          |  | MG/L  | <0.01 | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>TOTAL IRON       |                          |         |                          |         |                          |  | MG/L  | <0.01 | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |
| ERCW<br>TOTAL MANGANESE  |                          |         |                          |         |                          |  | MG/L  | <0.01 | 0                            | 1/30                               | GR                       |
|                          | SAMPLE<br>MEASUREMENT    |         |                          |         |                          |  |       |       |                              |                                    |                          |
|                          | PERMIT<br>REQUIREMENT    |         |                          |         |                          |  |       | NA    |                              | 1/30                               | 8-HR<br>COMP             |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
M. T. EL-ASHRY, ASST. MGR.  
OF NATURAL RESOURCES  
(ENVIRONMENT)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED REPRESENTATIVE

857-3173  
AREA  
CODE

81 05 28  
YEAR MO DAY

TELEPHONE

DATE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Replaces all at bottom of form)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 215 NATURAL RESOURCES BUILDING  
NORRIS, TN 37828  
FACILITY SEQUOYAH NUCLEAR PLANT  
LOCATION SODDY, TN 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
025

PLANT AND ERCW INTAKES

MONITORING PERIOD  
FROM 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 04 | 01  |

 TO 

|      |    |     |
|------|----|-----|
| YEAR | MO | DAY |
| 81   | 05 | 01  |

  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

| PARAMETER<br>(32-37) |                       | (3 Card Only)<br>QUANTITY OR LOADING<br>(45-53) |         |       | (4 Card Only)<br>QUALITY OR CONCENTRATION<br>(54-61) |         |         | NO.<br>EX<br>(62-63) | FREQUENCY<br>OF<br>ANALYSIS<br>(64-65) | SAMPLE<br>TYPE<br>(59-79) |
|----------------------|-----------------------|-------------------------------------------------|---------|-------|------------------------------------------------------|---------|---------|----------------------|----------------------------------------|---------------------------|
|                      |                       | AVERAGE                                         | MAXIMUM | UNITS | MINIMUM                                              | AVERAGE | MAXIMUM |                      |                                        |                           |
| ERCW<br>TOTAL ZINC   | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      | <0.01   | MG/L    | 0                    | 1/30                                   | GR                        |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      | NA      |         |                      | 1/30                                   | 8-HR<br>COMP              |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | SAMPLE<br>MEASUREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |
|                      | PERMIT<br>REQUIREMENT |                                                 |         |       |                                                      |         |         |                      |                                        |                           |

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                              |  |                     |        |      |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--|---------------------|--------|------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER<br><br>M. T. EL-ASHRY, ASST. MGR.<br>OF NATURAL RESOURCES<br>(ENVIRONMENT)<br><br>TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 23 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years. | TELEPHONE                                                    |  | DATE                |        |      |
|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |  | FTS<br>AREA<br>CODE | NUMBER | YEAR |

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