DUKE ENERGY.

*Allen Steam Station*
*253 Plant Allen Rd.*
*Belmont, NC 28012*
*704 829-2350*
*704 829-2370 (fax)*

October 15, 2014

Mr. Jeff Poupart
North Carolina Division of Water Resources
NPDES Wastewater Unit
1617 Mail Service Center
Raleigh NC 27699-1617

Subject: Duke Energy Carolinas LLC – NPDES Permit Application
Allen Steam Station - #NC0004979

Dear: Mr. Poupart:

Duke Energy Carolinas, LLC request the subject permit be renewed and issued. The above referenced permit expires on May 31, 2015. As mandated by North Carolina Administrative Code 15A NCAC 2 H.0105 (e), this permit application for renewal is being submitted at least 180 days prior to the expiration of the permit.

Please find enclosed in triplicate, the renewal application, which includes the following items:

EPA Form 1
EPA Form 2C
Site Maps
Water Flow Diagrams
Supplemental Information
Balanced and Indigenous Population Report (316 a)
Alternate schedule Request for 316 (b)
Fish Tissue Monitoring
Metals Sampling in the Vicinity of Ash Basins
Seep Information
Groundwater Information

Duke Energy Carolinas, LLC requests notification that this application is complete.

As required by Part A (15) of the current NPDES permit Duke Energy request that the 316 (a) thermal variance be continued through to the next permit. The attached BIP report continues to indicate that Lake Wylie supports a balanced and indigenous population of fish and macro-invertebrates. The BIP report also addresses all four requirements of the 1988 Kaplan Memo. Therefore, supporting the request for renewal of the thermal variance.

The following monitoring reductions are requested at Outfall 002 based on historical monitoring data.

- Total Beryllium should be removed from the list of required sampling

- All parameters that are required to be monitored monthly should be reduced to quarterly
- All parameters that are required to be monitored for quarterly should be reduced to semi annual

The following monitoring reductions are requested at Outfall 005 based on historical monitoring data.

- All parameters that are required to be monitored for weekly should be reduced to monthly

Sincerely,

Eric Matthews
General Manager II
Regulated Fossil Stations

EPA Form 1

Please print or type in the unshaded areas only

Form Approved. OMB No. 2040-0086

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
# GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

**I. EPA I.D. NUMBER**

| | | TA | C |
|---|---|---|---|
| F | NC0004979 | | D |

LABEL ITEMS

- I. EPA I.D. NUMBER
- III. FACILITY NAME
- V. FACILITY MAILING ADDRESS
- VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

**GENERAL INSTRUCTIONS**

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (*the area to the left of the label space lists the information that should appear*), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (*except VI-B which must be completed regardless*). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

## II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the Instructions. See also, Section D of the Instructions for definitions of **bold-faced** terms.

| SPECIFIC QUESTIONS | Mark "X" YES | NO | FORM ATTACHED |
|---|---|---|---|
| A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A) | | X | |
| B. Does or will this facility (*either existing or proposed*) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B) | | X | |
| C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C) | X | | X |
| D. Is this a proposed facility (*other than those described in A or B above*) which will result in a discharge to waters of the U.S.? (FORM 2D) | | X | |
| E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3) | | X | |
| F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4) | | X | |
| G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4) | | X | |
| H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4) | | X | |
| I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) | | X | |
| J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5) | | X | |

## III. NAME OF FACILITY

1 SKIP: Allen Steam Station

## IV. FACILITY CONTACT

| A. NAME & TITLE (*last, first, & title*) | B. PHONE (*area code & no.*) |
|---|---|
| 2 Stowe, Allen/Lead Environmental Professional | (704) 382-4309 |

## V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 P.O. Box 1006, Mail Code EC13K

| B. CITY OR TOWN | C. STATE | D. ZIP CODE |
|---|---|---|
| 4 Charlotte | NC | 28201 |

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 253 Plant Allen Road

B. COUNTY NAME: Gaston

| C. CITY OR TOWN | D. STATE | E. ZIP CODE | F. COUNTY CODE (*if known*) |
|---|---|---|---|
| 6 Belmont | NC | 28012 | |



CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

**VII. SIC CODES** *(4-digit, in order of priority)*

| A. FIRST | B. SECOND |
|---|---|
| 4911 (specify) Electric Services | (specify) |

| C. THIRD | D. FOURTH |
|---|---|
| (specify) | (specify) |

**VIII. OPERATOR INFORMATION**

**A. NAME**: Duke Energy Carolinas, LLC (Attention: Allen Stowe)

**B. Is the name listed in Item VIII-A also the owner?** ☑ YES ☐ NO

**C. STATUS OF OPERATOR** *(Enter the appropriate letter into the answer box; if "Other," specify.)*

F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC *(other than federal or state)*; O = OTHER *(specify)*

P — (specify) Electric Utility

**D. PHONE** *(area code & no.)*: A (704) 382-4309

**E. STREET OR P.O. BOX**: P.O. Box 1006, Mail Code EC13K

**F. CITY OR TOWN**: Charlotte

**G. STATE**: NC

**H. ZIP CODE**: 28201

**IX. INDIAN LAND**

Is the facility located on Indian lands? ☐ YES ☑ NO

**X. EXISTING ENVIRONMENTAL PERMITS**

| A. NPDES *(Discharges to Surface Water)* | D. PSD *(Air Emissions from Proposed Sources)* |
|---|---|
| N NC0004979 | P |

| B. UIC *(Underground Injection of Fluids)* | E. OTHER *(specify)* |
|---|---|
| U | 9 03757T33/NCG010000 (specify) Air Permit/General Stormwater |

| C. RCRA *(Hazardous Wastes)* | E. OTHER *(specify)* |
|---|---|
| R NCD043678937 | 9 WQ0000452/36-12 (specify) Distribution of Residual Solids Permit/Industrial Landfill Permit |

**XI. MAP**

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

**XII. NATURE OF BUSINESS** *(provide a brief description)*

Coal fired electric generation

**XIII. CERTIFICATION** *(see instructions)*

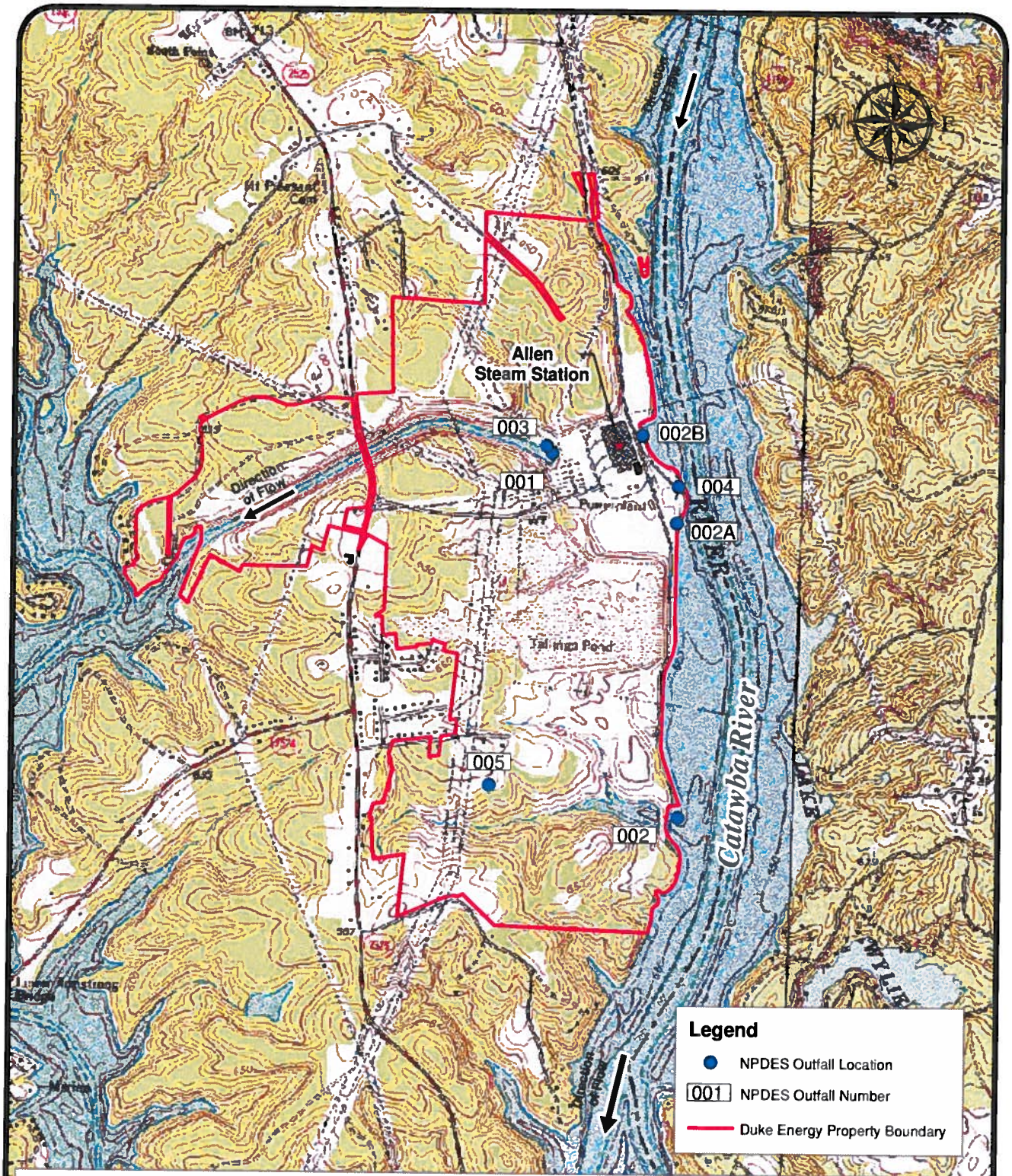
*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the 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.*

| A. NAME & OFFICIAL TITLE *(type or print)* | B. SIGNATURE | C. DATE SIGNED |
|---|---|---|
| Eric Matthews - General Manager II, Regulated Fossil Stations | Eric Matthews | 10/14/2014 |

**COMMENTS FOR OFFICIAL USE ONLY**

C

# Outfall Locations




**REFERENCE:**

BACKGROUND DATA: 1:24000 USGS TOPOGRAPHIC QUAD (BELMONT) , WAS OBTAINED FROM NCDOT GEOGRAPHICAL INFORMATION (GIS) WEBSITE. THE PROPERTY DATA WAS OBTAINED FROM THE GASTON COUNTY NORTH CAROLINA GIS DEPARTMENT. PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY.

0 0.5 1 Kilometers

0 0.5 1 Miles

| | |
|---|---|
| SCALE: | AS SHOWN |
| DATE: | 10-26-2009 |
| DRAWN BY: | RDP |
| PROJECT NO: | 1411-08-140 |

Duke Energy®

**LOCATION MAP DUKE ENERGY ALLEN STEAM STATION NPDES # NC0004979**

ALLEN STEAM STATION
GASTON COUNTY, NORTH CAROLINA

FIGURE NO. **1**

# EPA Form 2C

Please print or type in the unshaded areas only

EPA I.D. NUMBER (*copy from Item 1 of Form 1*): NC0004979

Form Approved
OMB No. 2040-0086
Approval expires 3-31-98

FORM 2C NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
*Consolidated Permits Program*

## I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

| A. OUTFALL NUMBER (*list*) | B. LATITUDE | | | C. LONGITUDE | | | D. RECEIVING WATER (*name*) |
|---|---|---|---|---|---|---|---|
| | 1. DEG | 2. MIN. | 3. SEC | 1. DEG | 2. MIN | 3. SEC | |
| 001 | 35 | 11 | 22 | 81 | 00 | 44 | South Fork River |
| 002 | 35 | 10 | 30 | 81 | 00 | 20 | Catawba River |
| 002A/002B | 35/35 | 11/11 | 13/25 | 81/81 | 00/00 | 21/28 | Catawba River (Intermittent) |
| 003 | 35 | 11 | 23 | 81 | 00 | 45 | South Fork River |
| 004/005 | 35/35 | 11/09 | 13/60 | 81/81 | 00/01 | 21/22 | Catawba River/Internal Outfall |

## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

| 1. OUTFALL NO. (*list*) | 2. OPERATION(S) CONTRIBUTING FLOW | | 3. TREATMENT | | |
|---|---|---|---|---|---|
| | a. OPERATION (*list*) | b. AVERAGE FLOW (*include units*) | a. DESCRIPTION | b. LIST CODES FROM TABLE 2C-1 | |
| 001 | Condenser Cooling Water | 649.4 MGD | Screen discharge to surface water | 1T | |
| | (Once through non-contact) | | | 4A | |
| | Includes intake screen backwash | | | | |
| | | | | | |
| 002 | Ash basin discharge | 16.6 MGD | chemical coagulation, settling, neutralization, | 2D | 2K |
| | | | ion exchange, surface water discharge | 1U | |
| | | | | 2J | |
| | | | | 4A | |
| 002A 002B | Emergency Overflow of yard drain | Intermittent | surface water discharge | 4A | |
| | sump #1 (002A) and sump #2 (002B) | | | | |
| | See supplemental information | | | | |
| | | | | | |
| 003 | Miscellaneous once through | 4.5 MGD | surface water discharge | 4A | |
| | non-contact cooling water | | | | |
| | | | | | |
| | | | | | |
| 004 | Miscellaneous once through | 6.5 MGD | surface water discharge | 4A | |
| | non-contact cooling water | | surface water discharge | 4A | |
| | | | | | |
| | | | | | |
| 005 | Flue Gas Desulfurization | 0.2 MGD | Internal outfall, discharges to ash basin | 1R | 2L |
| | Wastewater Treatment System | | | 2C | 3C |
| | | | | 2D | 5C |
| | | | | 3K | |

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☑ YES (*complete the following table*) ☐ NO (*go to Section III*)

| 1. OUTFALL NUMBER (*list*) | 2. OPERATION(s) CONTRIBUTING FLOW (*list*) | 3. FREQUENCY a. DAYS PER WEEK (*specify average*) | 3. FREQUENCY b. MONTHS PER YEAR (*specify average*) | 4. FLOW a. FLOW RATE (*in mgd*) 1. LONG TERM AVERAGE | 4. FLOW a. FLOW RATE (*in mgd*) 2. MAXIMUM DAILY | 4. FLOW b. TOTAL VOLUME (*specify with units*) 1. LONG TERM AVERAGE | 4. FLOW b. TOTAL VOLUME (*specify with units*) 2. MAXIMUM DAILY | 4. FLOW c. DURATION (*in days*) |
|---|---|---|---|---|---|---|---|---|
| 002A | Emergency overflow of yard drain sump #1 (see supplmental information) | See Supplemental Information | | See Supplemental Information | | See Supplemental Information | | See Supplemental Information |
| 002B | Emergency overflow of yard drain sump #2 (see supplmental information) | See Supplemental Information | | See Supplemental Information | | See Supplemental Information | | See Supplemental Information |

## III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☑ YES (*complete Item III-B*) ☐ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☐ YES (*complete Item III-C*) ☑ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

| 1. AVERAGE DAILY PRODUCTION a. QUANTITY PER DAY | 1. AVERAGE DAILY PRODUCTION b. UNITS OF MEASURE | 1. AVERAGE DAILY PRODUCTION c. OPERATION, PRODUCT, MATERIAL, ETC (*specify*) | 2. AFFECTED OUTFALLS (*list outfall numbers*) |
|---|---|---|---|
| NA | NA | NA | NA |

## IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (*complete the following table*) ☑ NO (*go to Item IV-B*)

| 1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC. | 2. AFFECTED OUTFALLS a. NO. | 2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE | 3. BRIEF DESCRIPTION OF PROJECT | 4. FINAL COMPLIANCE DATE a. REQUIRED | 4. FINAL COMPLIANCE DATE b. PROJECTED |
|---|---|---|---|---|---|
| | | | | | |

B. OPTIONAL. You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)
NC0004987

CONTINUED FROM PAGE 2

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided. NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

| 1. POLLUTANT | 2. SOURCE | 1. POLLUTANT | 2. SOURCE |
|---|---|---|---|
| See Supplemental Information, Table 5.1 (attached) for complete list | | | |

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (*list all such pollutants below*) ☑ NO (*go to Item VI-B*)

CONTINUED FROM THE FRONT

## VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☑ YES (*identify the test(s) and describe their purposes below*) ☐ NO (*go to Section VIII*)

Quarterly analysis of Ceriodaphnia Dubia chronic testing per current permit requirements on Outfall 002

## VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

| A. NAME | B. ADDRESS | C. TELEPHONE (*area code & no.*) | D. POLLUTANTS ANALYZED (*list*) |
|---|---|---|---|
| Shealy Environmental Services, Inc. | 106 Vantage Point Drive<br>West Columbia, SC 29172 | 803-791-9700 | BOD, color, sulfide, fecal coliform, surfactants, PCBs, cyanide, phenol, volatiles, semi-volatiles, mercury, acid compunds, sulfite, pesticides |
| SGS Environmental Services, Inc. | 5500 Business Dr.<br>Wilmington, NC 28405 | 910-350-1903 | Dioxin |
| GEL Laboratories LLC | 2040 Savage Road<br>Charleston, SC 29417 | 843-556-8171 | Radiological |
| Duke Energy Analytical Laboratory | 13339 Hagers Ferry Road | 980-875-5275 | Metals, COD, TKN, oil & grease, total phosphorous, nitrate-nitrite, TSS, TOC, bromide, sulfate, fluoride |

## IX. CERTIFICATION

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

| A. NAME & OFFICIAL TITLE (*type or print*) | B. PHONE NO. (*area code & no.*) |
|---|---|
| Eric Matthews, General Manager II, Regulated Fossil Stations | (704) 829-2400 |
| C. SIGNATURE  | D. DATE SIGNED 10/14/2014 |

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

EPA Facility Name: Allen Steam Station

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 001

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

| 1. POLLUTANT | 2. EFFLUENT | | | | | | | 3. UNITS | | 4. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE | | b. NO. OF ANALYSES |
| | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| a. Biochemical Oxygen Demand (BOD) | < 2.0 | < 13098.3 | | | | | 1 | mg/l | lb/Day | 4.0 | 12981.482 | 1 |
| b. Chemical Oxygen Demand (COD) | < 20 | < 130983.1 | | | | | 1 | mg/l | lb/Day | < 20 | < 64907.41 | 1 |
| c. Total Organic Carbon (TOC) | 2.3 | 15063.1 | | | | | 1 | mg/l | lb/Day | 2.3 | 7464.35215 | 1 |
| d. Total Suspended Solids (TSS) | 5.0 | 32745.8 | | | | | 1 | mg/l | lb/Day | 8.0 | 25962.964 | 1 |
| e. Ammonia (as N) | 0.054 | 353.7 | | | | | 1 | mg/l | lb/Day | 0.033 | 107.0972265 | 1 |
| f. Flow | VALUE 784.8 | | VALUE 736.6 | | VALUE 388.9 | | 730 | MGD | N/A | VALUE 388.9 | | 1 |
| g. Temperature (winter) | VALUE [redacted] | | VALUE [redacted] | | VALUE [redacted] | | 202 | DEGREES CELSIUS | | VALUE [redacted] | | |
| h. Temperature (summer) | VALUE [redacted] | | VALUE [redacted] | | VALUE [redacted] | | 268 | DEGREES CELSIUS | | VALUE [redacted] | | 1 |
| i. pH | MINIMUM [redacted] | MAXIMUM [redacted] | MINIMUM [redacted] | MAXIMUM [redacted] | | | 1 | STANDARD UNITS | | 7.56 | | 1 |

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly or indirectly but expressly in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" Believed | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. present | b. absent | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE | | b. NO. OF ANALYSES |
| | | | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| a. Bromide (24959-67-9) | X | | < 1.00 | < 6549.2 | | | | | 1 | mg/l | lb/Day | < 1.00 | < 3245.3705 | 1 |
| b. Chlorine, Total Residual | X | | < 0.050 | < 327.5 | | | | | 1 | mg/l | lb/Day | < 0.050 | < 162.268525 | 1 |
| c. Color | X | | 40 | N/A | | N/A | | N/A | 1 | Std. Units | N/A | 15 | N/A | 1 |
| d. Fecal Coliform | X | | 8.00 | N/A | | N/A | | N/A | 1 | MPN /100 ml | N/A | 9.00 | N/A | 1 |
| e. Fluoride (16984-48-8) | X | | < 1.00 | < 6549.2 | | | | | 1 | mg/l | lb/Day | < 1.00 | < 3245.3705 | 1 |
| f. Nitrate-Nitrite (as N) | X | | 0.213 | 1395.0 | | | | | 1 | mg/l | lb/Day | 0.243 | 788.6250315 | 1 |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

ITEM V-B CONTINUED FROM FRONT

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Believed | | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE | | b. NO. OF ANALYSES |
| | a. present | b. absent | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| g. Nitrogen, Total Organic (as N) | X | | 0.28 | 1833.8 | | | | | 1 | mg/l | lb/Day | 0.19 | 616.620395 | 1 |
| h. Oil and Grease | X | | < 5.00 | < 32745.8 | | | | | 1 | mg/l | lb/Day | < 5.00 | < 16226.8525 | 1 |
| i. Phosphorous (as P), Total (7723-14-0) | X | | 0.028 | 183.4 | | | | | 1 | mg/l | lb/Day | 0.022 | 71.398151 | 1 |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | < 5.00 | N/A | 1 |
| (2) Beta, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | < 5.00 | N/A | 1 |
| (3) Radium, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | < 1.00 | N/A | 1 |
| (4) Radium 226, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | < 1.00 | N/A | 1 |
| k. Sulfate (as SO4) (14808-79-8) | X | | 5.4 | 35365.4 | 5.4 | 33193.4 | 5.2 | 16875.9 | 2 | mg/l | lb/Day | 4.9 | 15902.31545 | 1 |
| l. Sulfide (as S) | X | | 1.20 | 7859.0 | | | | | 1 | mg/l | lb/Day | 1.40 | 4543.5187 | 1 |
| m. Sulfite (as SO3) (14265-45-3) | X | | < 2.00 | < 13098.3 | | | | | 1 | mg/l | lb/Day | < 2.00 | < 6490.741 | 1 |
| n. Surfactants | X | | 0.35 | 2292.2 | | | | | 1 | mg/l | lb/Day | < 0.05 | < 162.268525 | 1 |
| o. Aluminum, Total (7429-90-5) | X | | 2.440 | 15979.9 | 2.44 | 14998.5 | 1.49 | 4835.6 | 2 | mg/l | lb/Day | 0.852 | 2765.055666 | 1 |
| p. Barium, Total (7440-39-3) | X | | 0.028 | 183.4 | 0.028 | 172.1 | 0.024 | 77.9 | 2 | mg/l | lb/Day | 0.022 | 71.398151 | 1 |
| q. Boron, Total (7440-42-8) | X | | 0.064 | 419.1 | 0.064 | 393.4 | 0.032 | 103.9 | 2 | mg/l | lb/Day | 0.056 | 181.740748 | 1 |
| r. Cobalt, Total (7440-48-4) | X | | < 0.001 | < 6.5 | | | | | 1 | mg/l | lb/Day | < 0.001 | < 3.2453705 | 1 |
| s. Iron, Total (7439-89-6) | X | | 2.350 | 15390.5 | 2.35 | 14445.3 | 1.52 | 4933.0 | 2 | mg/l | lb/Day | 1.080 | 3505.00014 | 1 |
| t. Magnesium, Total (7439-95-4) | X | | 2.19 | 14342.7 | 2.19 | 13461.8 | 2.14 | 6945.1 | 2 | mg/l | lb/Day | 2.21 | 7172.268805 | 1 |
| u. Molybdenum, Total (7439-98-7) | X | | < 0.0010 | < 6.5 | < 0.001 | < 6.1 | < 0.001 | < 3.2 | 2 | mg/l | lb/Day | < 0.0010 | < 3.2453705 | 1 |
| v. Manganese, Total (7439-96-5) | X | | 0.068 | 445.3 | 0.068 | 418.0 | 0.066 | 214.2 | 2 | mg/l | lb/Day | 0.119 | 386.1990895 | 1 |
| w. Tin, Total (7440-31-5) | X | | < 0.010 | < 65.5 | | | | | 1 | mg/l | lb/Day | < 0.010 | < 32.453705 | 1 |
| x. Titanium, Total (7440-32-6) | X | | 0.021 | 137.5 | | | | | 1 | mg/l | lb/Day | 0.030 | 97.361115 | 1 |



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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

CONTINUED FROM PAGE 3 OF FORM 2-C

**Allen Steam Station**

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | b. Believed present | c. Believed absent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | X | | | < 1.0 | < 6.55 | < 1 | < 6.15 | < 1 | < 3.25 | 2 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 2M. Arsenic, Total (7440-38-2) | X | | | < 1.0 | < 6.55 | < 6.55 | < 40.26 | < 3.28 | < 10.64 | 2 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 3M. Beryllium, Total (7440-41-7) | X | | | < 1.0 | < 6.55 | | | | | 1 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 4M. Cadmium, Total (7440-43-9) | X | | | < 1 | < 6.55 | < 1 | < 6.15 | < 1 | < 3.25 | 2 | ug/l | lb/Day | < 0.1 | < 0.32 | 1 |
| 5M. Chromium, Total (7440-47-3) | X | | | 1.64 | 10.74 | 1.64 | 10.08 | 0.82 | 2.66 | 2 | ug/l | lb/Day | < 2 | < 6.49 | 1 |
| 6M. Copper, Total (7440-50-8) | X | | | 0.018 | 117.88 | 0.018 | 110.64 | 0.0175 | 56.79 | 2 | mg/l | lb/Day | < 0.005 | < 16.23 | 1 |
| 7M. Lead, Total (7439-92-1) | X | | | < 1.0 | < 6.55 | < 1 | < 6.15 | < 1 | < 3.25 | 2 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 8M. Mercury, Total (7439-97-6) | X | | | 0.0011 | 0.01 | | | | | 1 | ug/l | lb/Day | 0.0009 | 0.00 | 1 |
| 9M. Nickel, Total (7440-02-0) | X | | | 1.0 | 6.55 | 1 | 6.15 | 0.5 | 1.62 | 2 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 10M. Selenium, Total (7782-49-2) | X | | | < 1.0 | < 6.55 | < 1 | 6.15 | < 1 | < 3.25 | 2 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 11M. Silver, Total (7440-22-4) | X | | | < 1.0 | < 6.55 | | | | | 1 | ug/l | lb/Day | < 1.0 | < 3.25 | 1 |
| 12M. Thallium, Total (7440-28-0) | X | | | < 0.0002 | < 1.3 | | | | | 1 | mg/l | lb/Day | < 0.0002 | < 0.65 | 1 |
| 13M. Zinc, Total (7440-66-6) | X | | | 0.013 | 85.14 | 0.013 | 79.91 | 0.007 | 22.72 | 2 | mg/l | lb/Day | < 0.005 | < 16.23 | 1 |
| 14M. Cyanide, Total (57-12-5) | X | | | < 0.010 | < 65.49 | | | | | 1 | mg/l | lb/Day | < 0.010 | < 32.45 | 1 |
| 15M. Phenols, Total | X | | | < 0.0050 | < 32.7 | | | | | 1 | mg/l | lb/Day | 0.0064 | 20.77 | 1 |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8 Tetra chlorodibenzo P Dioxin (1764-01-6) | | | X | DESCRIBE RESULTS < 0.535 | < 3503.8 | | | | | 1 | pg/l | lb/Day | < 0.619 | < 2008.88 | 1 |

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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. required | b. Believed present | c. Believed absent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | X | | | < 5.0 | < 32.75 | | | | | 1 | ug/l | lb/Day | < 5.0 | < 16.23 | 1 |
| 2V. Acrylonitrile (107-13-1) | X | | | < 5.0 | < 32.75 | | | | | 1 | ug/l | lb/Day | < 5.0 | < 16.23 | 1 |
| 3V. Benzene (71-43-2) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 4V. Bis (Chloromethyl) Ether (542-88-1) | | | X | | | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 6V. Carbon Tetrachloride (56-23-5) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 7V. Chlorobenzene (108-90-7) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 8V. Chlorodibromomethane (124-48-1) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 9V. Chloroethane (75-00-3) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 10V. 2-Chloroethylvinyl Ether (110-75-8) | X | | | < 5.0 | < 32.75 | | | | | 1 | ug/l | lb/Day | < 5.0 | < 16.23 | 1 |
| 11V. Chloroform (67-66-3) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 12V. Dichlorobromomethane (75-27-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 13V. Dichlorodifluoromethane (75-71-8) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 14V. 1,1-Dichloroethane (75-34-3) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 15V. 1,2-Dichloroethane (107-06-2) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 16V. 1,1-Dichloroethylene (75-35-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 17V. 1,2-Dichloropropane (78-87-5) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 18V. 1,3-Dichloropropylene (542-75-6) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 19V. Ethylbenzene (100-41-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 20V. Methyl Bromide (74-83-9) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 21V. Methyl Chloride (74-87-3) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |



CONTINUE ON PAGE V-5

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. required | Believed b. present | Believed c. absent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 24V. Tetrachloroethylene (127-18-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 25V. Toluene (108-88-3) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 26V. 1,2-Trans-Dichloroethylene (156-60-5) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 27V. 1,1,1-Trichloroethane (71-55-6) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 28V. 1,1,2-Trichloroethane (79-00-5) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 29V. Trichloroethylene (79-01-6) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 30V. Trichlorofluoromethane (75-69-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 31V. Vinyl Chloride (75-01-4) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 2A. 2,4-Dichlorophenol (120-83-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 3A. 2,4-Dimethylphenol (105-67-9) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 5A. 2,4-Dinitrophenol (51-28-5) | X | | | < 50 | < 327.46 | | | | | 1 | ug/l | lb/Day | < 50 | < 162.27 | 1 |
| 6A. 2-Nitrophenol (88-75-5) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 8A. P-Chloro-M-Cresol (59-50-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 9A. Pentachlorophenol (87-86-5) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 10A. Phenol (108-95-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| GC/MS FRACTION - BASE NEUTRAL COMPOUNDS | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 2B. Acenaphtylene (208-96-8) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 3B. Anthracene (120-12-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 4B. Benzidine (92-87-5) | X | | | < 100 | < 654.92 | | | | | 1 | ug/l | lb/Day | < 100 | < 324.54 | 1 |
| 5B. Benzo (a) Anthracene (56-55-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 6B. Benzo (a) Pyrene (50-32-8) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 7B. 3,4-Benzo-fluoranthene (205-99-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 8B. Benzo (ghi) Perylene (191-24-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 9B. Benzo (k) Fluoranthene (207-08-9) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 10B. Bis (2-Chloro-ethoxyl) Methane (111-91-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 11B. Bis (2-Chloro-ethyl) Ether (111-44-4) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 12B.Bis (2-Chloroiso-propyl) Ether (108-60-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 14B. 4-Bromo-phenyl Phenyl Ether (101-55-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 15B. Butyl Benzyl Phthalate (85-68-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 16B. 2-Chloro-naphthalene (91-58-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 18B. Chrysene (218-01-9) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 20B. 1,2-Dichloro-benzene (95-50-1) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 21B. 1,3-Dichloro-benzene (541-73-1) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. present | 2. MARK "X" Believed c. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | 3. EFFLUENT a. MAXIMUM DAILY VALUE (2) Mass | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (1) Concentration | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (2) Mass | 3. EFFLUENT d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22B. 1,4-Dichlorobenzene (106-46-7) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 24B. Diethyl Phthalate (84-66-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 25B. Dimethyl Phthalate (131-11-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 26B. Di-N-Butyl Phthalate (84-74-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 27B. 2,4-Dinitrotoluene (121-14-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 28B. 2,6-Dinitrotoluene (606-20-2) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 29B. Di-N-Octyl Phthalate (117-84-0) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 32B. Fluorene (86-73-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 33B. Hexachlorobenzene (118-74-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 34B. Hexachlorobutadiene (87-68-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 35B. Hexachlorocyclopentadiene (77-47-4) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 36B. Hexachloroethane (67-72-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 38B. Isophorone (78-59-1) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 40B. Nitrobenzene (98-95-3) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 41B. N-Nitrosodimethylamine (62-75-9) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |

CONTINUED FROM PAGE V-7

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" b. Believed present | 2. MARK "X" c. Believed absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | 3. EFFLUENT a. MAXIMUM DAILY VALUE (2) Mass | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (1) Concentration | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (2) Mass | 3. EFFLUENT d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 43B. N-Nitrosodiphenylamine (86-30-6) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 44B. Phenanthrene (85-01-8) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 45B. Pyrene (129-00-0) | X | | | < 10 | < 65.49 | | | | | 1 | ug/l | lb/Day | < 10 | < 32.45 | 1 |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | X | | | < 2.0 | < 13.10 | | | | | 1 | ug/l | lb/Day | < 2.0 | < 6.49 | 1 |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 2P. alpha-BHC (319-84-6) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 3P. beta-BHC (315-85-7) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 4P. gamma-BHC (58-89-9) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 5P. delta-BHC (319-86-8) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 6P. Chlordane (57-74-9) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 7P. 4,4'-DDT (50-29-3) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 8P. 4,4'-DDE (72-55-9) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 9P. 4,4'-DDD (72-54-8) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 10P. Dieldrin (60-57-1) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 11P.alpha-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 12P. beta-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 14P. Endrin (72-20-8) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 16P. Heptachlor (76-44-8) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |



CONTINUE ON PAGE V-9

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 001 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| GC/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |
| 18P. PCB-1242 (53469-21-9) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 19P. PCB-1254 (11097-69-1) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 20P. PCB-1221 (11104-28-2) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 21P. PCB-1232 (11141-16-5) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 22P. PCB-1248 (12672-29-6) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 23P. PCB-1260 (11096-82-5) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 24P. PCB-1016 (12674-11-2) | | | X | < 0.25 | < 1.64 | | | | | 1 | ug/l | lb/Day | < 0.25 | < 0.81 | 1 |
| 25P. Toxaphene (8001-35-2) | | | X | < 0.025 | < 0.16 | | | | | 1 | ug/l | lb/Day | < 0.025 | < 0.08 | 1 |

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

EPA Facility Name: Allen Steam Station

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 002

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

| 1. POLLUTANT | 2. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 3. UNITS a. Concentration | 3. UNITS b. Mass | 4. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 4. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 4. INTAKE (optional) b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | < 2.0 | < 352.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| b. Chemical Oxygen Demand (COD) | < 20 | < 3521.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Total Organic Carbon (TOC) | 2.4 | 0 422.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| d. Total Suspended Solids (TSS) | 6.0 | 0 1056.5 | 6 | 0 851.2 | 0.3 | 0 28.5 | 25 | mg/l | lb/Day | | 0 | |
| e. Ammonia (as N) | 0.060 | 0 10.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| f. Flow | VALUE 21.1 | | VALUE 17 | | VALUE 11.4 | | 107 | MGD | N/A | VALUE | | |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE | | | DEGREES CELSIUS | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | 1 | DEGREES CELSIUS | | VALUE | | |
| i. pH | MINIMUM 6.4 | MAXIMUM 7.2 | MINIMUM | MAXIMUM | | | 10 | STANDARD UNITS | | | | |

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly or indirectly but expressly in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" Believed a. present | 2. MARK "X" Believed b. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | X | | 7.30 | 0 1285.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| b. Chlorine, Total Residual | X | | < 0.050 | < 8.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Color | X | | 25 | N/A | | N/A | | N/A | 1 | Std. Units | N/A | | N/A | |
| d. Fecal Coliform | X | | 308 | N/A | | N/A | | N/A | 1 | MPN /100 ml | N/A | | N/A | |
| e. Fluoride (16984-48-8) | X | | < 1.00 | < 176.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| f. Nitrate-Nitrite (as N) | X | | 0.16 | 0 28.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |

ITEM V-B CONTINUED FROM FRONT

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" Believed a. present | 2. MARK "X" Believed b. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| g. Nitrogen, Total Organic (as N) | X | | 0.50 | 0 88.0 | 0.5 | 0 70.9 | 0.4 | 0 38.1 | 5 | mg/l | lb/Day | | 0 | |
| h. Oil and Grease | X | | < 5.00 | < 880.4 | < 5 | < 709.3 | < 5 | < 475.7 | 9 | mg/l | lb/Day | | 0 | |
| i. Phosphorous (as P), Total (7723-14-0) | X | | 0.009 | 0 1.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (2) Beta, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (3) Radium, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (4) Radium 226, Total | X | | 0.79 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| k. Sulfate (as SO4) (14808-79-8) | X | | 86 | 0 15142.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| l. Sulfide (as S) | X | | 1.30 | 0 228.9 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| m. Sulfite (as SO3) (14265-45-3) | X | | < 2.00 | < 352.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| n. Surfactants | X | | 0.12 | 0 21.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| o. Aluminum, Total (7429-90-5) | X | | 0.029 | 0 5.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| p. Barium, Total (7440-39-3) | X | | 0.072 | 0 12.7 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| q. Boron, Total (7440-42-8) | X | | 3.16 | 0 556.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| r. Cobalt, Total (7440-48-4) | X | | 0.00148 | 0 0.3 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| s. Iron, Total (7439-89-6) | X | | 1.640 | 0 288.8 | 1.1 | 0 156.1 | 0.28 | 0 26.6 | 27 | mg/l | lb/Day | | 0 | |
| t. Magnesium, Total (7439-95-4) | X | | 17.2 | 0 3028.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| u. Molybdenum, Total (7439-98-7) | X | | 0.00601 | 0 1.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| v. Manganese, Total (7439-96-5) | X | | 0.116 | 0 20.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| w. Tin, Total (7440-31-5) | X | | < 0.010 | < 1.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| x. Titanium, Total (7440-32-6) | X | | < 0.005 | < 0.9 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
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| NC0004979 | 002 |

CONTINUED FROM PAGE 3 OF FORM 2-C

**Allen Steam Station**

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | X | | | < 1.00 | < 0.18 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | | |
| 2M. Arsenic, Total (7440-38-2) | X | | | 2.78 | 0 0.49 | 2.78 | 0 0.39 | 1.95 | 0 0.19 | 10 | ug/l | lb/Day | | 0.00 | | |
| 3M. Beryllium, Total (7440-41-7) | X | | | < 1.00 | < 0.18 | < 1 | < 0.14 | < 1 | < 0.10 | 10 | ug/l | lb/Day | | 0.00 | | |
| 4M. Cadmium, Total (7440-43-9) | X | | | 0.5 | 0 0.09 | 0.5 | 0 0.07 | 0.1 | 0 0.01 | 10 | ug/l | lb/Day | | 0.00 | | |
| 5M. Chromium, Total (7440-47-3) | X | | | < 2.00 | < 0.35 | < 2 | < 0.28 | 0.55 | 0 0.05 | 10 | ug/l | lb/Day | | 0.00 | | |
| 6M. Copper, Total (7440-50-8) | X | | | 0.009 | 0 1.58 | 0.006 | 0 0.85 | 0.003 | 0 0.29 | 50 | mg/l | lb/Day | | 0.00 | | |
| 7M. Lead, Total (7439-92-1) | X | | | < 1.00 | < 0.18 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | | |
| 8M. Mercury, Total (7439-97-6) | X | | | 1.6 | 0 0.28 | 1.6 | 0 0.23 | 0.8 | 0 0.80 | 8 | ng/l | lb/Day | | 0.00 | | |
| 9M. Nickel, Total (7440-02-0) | X | | | 12.2 | 0 2.15 | 12.2 | 0 1.73 | 2.71 | 0 0.26 | 10 | ug/l | lb/Day | | 0.00 | | |
| 10M. Selenium, Total (7782-49-2) | X | | | 2.7 | 0 0.48 | 2.7 | 0 0.38 | 1.36 | 0 0.13 | 26 | ug/l | lb/Day | | 0.00 | | |
| 11M. Silver, Total (7440-22-4) | X | | | 1.20 | 0 0.21 | 1.2 | 0 0.17 | 0.3 | 0 0.03 | 9 | ug/l | lb/Day | | 0.00 | | |
| 12M. Thallium, Total (7440-28-0) | X | | | < 0.0002 | < 0.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | | |
| 13M. Zinc, Total (7440-66-6) | X | | | 40.100 | 0 7060.79 | 40.1 | 0 5688.79 | 6.81 | 0 647.86 | 10 | ug/l | lb/Day | | 0.00 | | |
| 14M. Cyanide, Total (57-12-5) | X | | | < 0.010 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | mg/l | lb/Day | | 0.00 | | |
| 15M. Phenols, Total | X | | | < 0.005 | < 0.9 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | | |
| **DIOXIN** | | | | | | | | | | | | | | | | |
| 2,3,7,8 Tetra chlorodibenzo P Dioxin (1764-01-6) | | | X | DESCRIBE RESULTS < 0.431 | < 75.9 | | 0 0.0 | | 0 0.0 | 1 | pg/L | lb/Day | | 0.00 | | |



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CONTINUED FROM PAGE V-3

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. present | Believed c. absent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | X | | | < 5.0 | < 0.88 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2V. Acrylonitrile (107-13-1) | X | | | < 5.0 | < 0.88 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3V. Benzene (71-43-2) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4V. Bis (Chloromethyl) Ether (542-88-1) | | | X | | 0 | | 0 | | 0 | | | | | 0 | |
| 5V. Bromoform (75-25-2) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6V. Carbon Tetrachloride (56-23-5) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7V. Chlorobenzene (108-90-7) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8V. Chlorodibromomethane (124-48-1) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9V. Chloroethane (75-00-3) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10V. 2-Chloroethylvinyl Ether (110-75-8) | X | | | < 5.0 | < 0.88 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11V. Chloroform (67-66-3) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12V. Dichlorobromomethane (75-27-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13V. Dichlorodifluoromethane (75-71-8) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14V. 1,1-Dichloroethane (75-34-3) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15V. 1,2-Dichloroethane (107-06-2) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16V. 1,1-Dichloroethylene (75-35-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17V. 1,2-Dichloropropane (78-87-5) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18V. 1,3-Dichloropropylene (542-75-6) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19V. Ethylbenzene (100-41-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20V. Methyl Bromide (74-83-9) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21V. Methyl Chloride (74-87-3) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

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EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

OUTFALL NUMBER: 002

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23V. 1,1,2,2-Tetra-chloroethane (79-34-5) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24V. Tetrachloro-ethylene (127-18-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25V. Toluene (108-88-3) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26V. 1,2-Trans-Dichloroethylene (156-60-5) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27V. 1,1,1-Tri-chloroethane (71-55-6) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28V. 1,1,2-Tri-chloroethane (79-00-5) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29V. Trichloro-ethylene (79-01-6) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30V. Trichloro-fluoromethane (75-69-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31V. Vinyl Chloride (75-01-4) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2A. 2,4-Dichloro-phenol (120-83-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3A. 2,4-Dimethyl-phenol (105-67-9) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5A. 2,4-Dinitro-phenol (51-28-5) | X | | | < 50 | < 8.80 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6A. 2-Nitrophenol (88-75-5) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8A. P-Chloro-M-Cresol (59-50-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9A. Pentachloro-phenol (87-86-5) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10A. Phenol (108-95-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11A. 2,4,6-Tri-chlorophenol (88-06-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - BASE NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2B. Acenaphtylene (208-96-8) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3B. Anthracene (120-12-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4B. Benzidine (92-87-5) | X | | | < 100 | < 17.61 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5B. Benzo (a) Anthracene (56-55-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6B. Benzo (a) Pyrene (50-32-8) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7B. 3,4-Benzo-fluoranthene (205-99-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8B. Benzo (ghi) Perylene (191-24-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9B. Benzo (k) Fluoranthene (207-08-9) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10B. Bis (2-Chloro-ethoxyl) Methane (111-91-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11B. Bis (2-Chloro-ethyl) Ether (111-44-4) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12B.Bis (2-Chloroiso-propyl) Ether (108-60-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14B. 4-Bromo-phenyl Phenyl Ether (101-55-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15B. Butyl Benzyl Phthalate (86-68-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16B. 2-Chloro-naphthalene (91-58-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18B. Chrysene (218-01-9) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20B. 1,2-Dichloro-benzene (95-50-1) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21B. 1,3-Dichloro-benzene (541-73-1) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |


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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. present | 2. MARK "X" Believed c. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22B. 1,4-Dichlorobenzene (106-46-7) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24B. Diethyl Phthalate (84-66-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25B. Dimethyl Phthalate (131-11-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27B. 2,4-Dinitrotoluene (121-14-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28B. 2,6-Dinitrotoluene (606-20-2) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 32B. Fluorene (86-73-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 33B. Hexachlorobenzene (118-74-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 34B. Hexachlorobutadiene (87-68-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 36B. Hexachloroethane (67-72-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 38B. Isophorone (78-59-1) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 40B. Nitrobenzene (98-95-3) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 41B. N-Nitrosodimethylamine (62-75-9) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. present | 2. MARK "X" Believed c. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 43B. N-Nitrosodiphenylamine (86-30-6) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 44B. Phenanthrene (85-01-8) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 45B. Pyrene (129-00-0) | X | | | < 10 | < 1.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | X | | | < 2.0 | < 0.35 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 2P. alpha-BHC (319-84-6) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 3P. beta-BHC (315-85-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 4P. gamma-BHC (58-89-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 5P. delta-BHC (319-86-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 6P. Chlordane (57-74-9) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 8P. 4,4'-DDE (72-55-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 10P. Dieldrin (60-57-1) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 11P.alpha-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 12P. beta-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 14P. Endrin (72-20-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 16P. Heptachlor (76-44-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |



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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 002 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. Present | 2. MARK "X" Believed c. Absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | 3. EFFLUENT a. MAXIMUM DAILY VALUE (2) Mass | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | 3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (1) Concentration | 3. EFFLUENT c. LONG TERM AVG. VALUE (if available) (2) Mass | 3. EFFLUENT d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GC/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18P. PCB-1242 (53469-21-9) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19P. PCB-1254 (11097-69-1) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20P. PCB-1221 (11104-28-2) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21P. PCB-1232 (11141-16-5) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 22P. PCB-1248 (12672-29-6) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23P. PCB-1260 (11096-82-5) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24P. PCB-1016 (12674-11-2) | | | X | < 0.25 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25P. Toxaphene (8001-35-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

EPA Facility Name: Allen Steam Station

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 003

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

| 1. POLLUTANT | 2. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | 3. UNITS a. Concentration | b. Mass | 4. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | < 2.0 | < 75.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| b. Chemical Oxygen Demand (COD) | < 20 | < 751.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Total Organic Carbon (TOC) | 2.3 | 0 86.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| d. Total Suspended Solids (TSS) | < 5.0 | < 187.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| e. Ammonia (as N) | 0.065 | 0 2.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| f. Flow | VALUE 4.5 | | VALUE 4.5 | | VALUE 4.5 | | 107 | MGD | N/A | VALUE | | |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE | | | DEGREES CELSIUS | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | 1 | DEGREES CELSIUS | | VALUE | | |
| i. pH | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | | | 1 | STANDARD UNITS | | | | |

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly or indirectly but expressly in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" Believed a. present | b. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | X | | < 1.00 | < 37.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| b. Chlorine, Total Residual | X | | < 0.05 | < 1.9 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Color | X | | 35 | N/A | | N/A | | N/A | 1 | Std. Units | N/A | | N/A | |
| d. Fecal Coliform | X | | 21 | N/A | | N/A | | N/A | 1 | MPN /100 ml | N/A | | N/A | |
| e. Fluoride (16984-48-8) | X | | < 1.00 | < 37.6 | < 1 | < 37.6 | < 1 | < 37.6 | 2 | mg/l | lb/Day | | 0 | |
| f. Nitrate-Nitrite (as N) | X | | 0.26 | 0 9.7 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |


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ITEM V-B CONTINUED FROM FRONT

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Believed | | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE | | b. NO. OF ANALYSES |
| | a. present | b. absent | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| g. Nitrogen, Total Organic (as N) | X | | 0.28 | 0 10.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| h. Oil and Grease | X | | < 5.00 | < 187.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| i. Phosphorous (as P), Total (7723-14-0) | X | | 0.028 | 0 1.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (2) Beta, Total | X | | 4.33 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (3) Radium, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (4) Radium 226, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| k. Sulfate (as SO4) (14808-79-8) | X | | 5.30 | 0 199.0 | 5.3 | 0 199.0 | 5.15 | 0 193.4 | 2 | mg/l | lb/Day | | 0 | |
| l. Sulfide (as S) | X | | 1.00 | 0 37.6 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| m. Sulfite (as SO3) (14265-45-3) | X | | < 2.00 | < 75.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | < | 0 | |
| n. Surfactants | X | | 0.16 | 0 6.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | < | 0 | |
| o. Aluminum, Total (7429-90-5) | X | | 2.610 | 0 98.0 | 2.61 | 0 98.0 | 1.47 | 0 55.2 | 2 | mg/l | lb/Day | | 0 | |
| p. Barium, Total (7440-39-3) | X | | 0.028 | 0 1.1 | 0.028 | 0 1.1 | 0.0225 | 0 0.8 | 2 | mg/l | lb/Day | | 0 | |
| q. Boron, Total (7440-42-8) | X | | 0.058 | 0 2.2 | 0.058 | 0 2.2 | 0.029 | 0 1.1 | 2 | mg/l | lb/Day | | 0 | |
| r. Cobalt, Total (7440-48-4) | X | | < 0.001 | < 0.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| s. Iron, Total (7439-89-6) | X | | 2.410 | 0 90.5 | 2.41 | 0 90.5 | 1.42 | 0 53.3 | 2 | mg/l | lb/Day | | 0 | |
| t. Magnesium, Total (7439-95-4) | X | | 2.11 | 0 79.2 | 2.11 | 0 79.2 | 2.08 | 0 78.1 | 2 | mg/l | lb/Day | | 0 | |
| u. Molybdenum, Total (7439-98-7) | X | | < 0.0010 | < 0.0 | < 0.001 | < 0.0 | < 0.001 | < 0.0 | 2 | mg/l | lb/Day | | 0 | |
| v. Manganese, Total (7439-96-5) | X | | 0.062 | 0 2.3 | 0.062 | 0 2.3 | 0.059 | 0 2.2 | 2 | mg/l | lb/Day | | 0 | |
| w. Tin, Total (7440-31-5) | X | | < 0.010 | < 0.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| x. Titanium, Total (7440-32-6) | X | | 0.014 | 0 0.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |

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CONTINUED FROM PAGE 3 OF FORM 2-C

**Allen Steam Station**

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | X | | | < 1.0 | < 0.04 | < 1 | < 0.04 | < 1 | < 0.04 | 2 | ug/l | lb/Day | | 0.00 | |
| 2M. Arsenic, Total (7440-38-2) | X | | | < 1.0 | < 0.04 | < 1 | < 0.04 | < 1 | < 0.04 | 2 | ug/l | lb/Day | | 0.00 | |
| 3M. Beryllium, Total (7440-41-7) | X | | | < 1.0 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4M. Cadmium, Total (7440-43-9) | X | | | < 1 | < 0.0376 | < 1 | < 0.0376 | < 0.055 | < 0.0021 | 2 | ug/l | lb/Day | | 0.00 | |
| 5M. Chromium, Total (7440-47-3) | X | | | 1.7 | 0 0.06 | 1.7 | 0 0.06 | 0.87 | 0 0.03 | 2 | ug/l | lb/Day | | 0.00 | |
| 6M. Copper, Total (7440-50-8) | X | | | 0.008 | 0 0.30 | 0.008 | 0 0.30 | 0.004 | 0 0.15 | 2 | mg/l | lb/Day | | 0.00 | |
| 7M. Lead, Total (7439-92-1) | X | | | < 1.0 | < 0.04 | < 1 | < 0.04 | < 1 | < 0.04 | 2 | ug/l | lb/Day | | 0.00 | |
| 8M. Mercury, Total (7439-97-6) | X | | | 0.00115 | 0 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9M. Nickel, Total (7440-02-0) | X | | | < 1.0 | < 0.04 | < 1 | < 0.04 | < 1 | < 0.04 | 2 | ug/l | lb/Day | | 0.00 | |
| 10M. Selenium, Total (7782-49-2) | X | | | < 1.0 | < 0.04 | < 1 | < 0.04 | < 1 | < 0.04 | 2 | ug/l | lb/Day | | 0.00 | |
| 11M. Silver, Total (7440-22-4) | X | | | < 1.0 | < 0.04 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12M. Thallium, Total (7440-28-0) | X | | | < 0.0002 | < 0.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | |
| 13M. Zinc, Total (7440-66-6) | X | | | 0.029 | 0 1.09 | 0.029 | 0 1.09 | 0.018 | 0 0.68 | 2 | mg/l | lb/Day | | 0.00 | |
| 14M. Cyanide, Total (57-12-5) | X | | | < 0.010 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | mg/l | lb/Day | | 0.00 | |
| 15M. Phenols, Total | X | | | < 0.005 | < 0.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8 Tetra chlorodibenzo P Dioxin (1764-01-6) | | | X | DESCRIBE RESULTS < 0.592 | < 22.2 | | 0 0.0 | | 0 0.0 | 1 | pg/L | lb/Day | | 0.00 | |

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**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | X | | | < 5.0 | < 0.19 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2V. Acrylonitrile (107-13-1) | X | | | < 5.0 | < 0.19 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3V. Benzene (71-43-2) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4V. Bis (Chloro-methyl) Ether (542-88-1) | | | X | | 0 | | 0 | | 0 | | | | | 0 | |
| 5V. Bromoform (75-25-2) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6V. Carbon Tetrachloride (56-23-5) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7V. Chlorobenzene (108-90-7) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8V. Chlorodi-bromomethane (124-48-1) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9V. Chloroethane (75-00-3) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10V. 2-Chloro-ethylvinyl Ether (110-75-8) | X | | | < 5.0 | < 0.19 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11V. Chloroform (67-66-3) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12V. Dichloro-bromomethane (75-27-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13V. Dichloro-difluoromethane (75-71-8) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14V. 1,1-Dichloro-ethane (75-34-3) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15V. 1,2-Dichloro-ethane (107-06-2) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17V. 1,2-Dichloro-propane (78-87-5) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18V. 1,3-Dichloro-propylene (542-75-6) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19V. Ethylbenzene (100-41-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20V. Methyl Bromide (74-83-9) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21V. Methyl Chloride (74-87-3) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |


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| NC0004979 | 003 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24V. Tetrachloroethylene (127-18-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25V. Toluene (108-88-3) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26V. 1,2-Trans-Dichloroethylene (156-60-5) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27V. 1,1,1-Trichloroethane (71-55-6) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28V. 1,1,2-Trichloroethane (79-00-5) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29V. Trichloroethylene (79-01-6) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30V. Trichlorofluoromethane (75-69-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31V. Vinyl Chloride (75-01-4) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2A. 2,4-Dichlorophenol (120-83-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3A. 2,4-Dimethylphenol (105-67-9) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5A. 2,4-Dinitrophenol (51-28-5) | X | | | < 50 | < 1.88 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6A. 2-Nitrophenol (88-75-5) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8A. P-Chloro-M-Cresol (59-50-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9A. Pentachlorophenol (87-86-5) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10A. Phenol (108-95-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |


CONTINUE ON PAGE V-6

CONTINUED FROM PAGE V-5

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | Believed b. Present | Believed c. Absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GC/MS FRACTION - BASE NEUTRAL COMPOUNDS | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2B. Acenaphtylene (208-96-8) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3B. Anthracene (120-12-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4B. Benzidine (92-87-5) | X | | | < 100 | < 3.76 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5B. Benzo (a) Anthracene (56-55-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6B. Benzo (a) Pyrene (50-32-8) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7B. 3,4-Benzo-fluoranthene (205-99-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8B. Benzo (ghi) Perylene (191-24-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9B. Benzo (k) Fluoranthene (207-08-9) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10B. Bis (2-Chloro-ethoxyl) Methane (111-91-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11B. Bis (2-Chloro-ethyl) Ether (111-44-4) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12B Bis (2-Chloroiso-propyl) Ether (108-60-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14B. 4-Bromo-phenyl Phenyl Ether (101-55-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15B. Butyl Benzyl Phthalate (85-68-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16B. 2-Chloro-naphthalene (91-58-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18B. Chrysene (218-01-9) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20B. 1,2-Dichloro-benzene (95-50-1) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21B. 1,3-Dichloro-benzene (541-73-1) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |



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CONTINUED FROM PAGE V-6

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 003 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | d. NO. OF ANALYSES |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22B. 1,4 -Dichloro-benzene (106-46-7) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23B. 3,3-Dichloro-benzidine (91-94-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24B. Diethyl Phthalate (84-66-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25B. Dimethyl Phthalate (131-11-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27B. 2,4-Dinitro-toluene (121-14-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28B. 2,6-Dinitro-toluene (606-20-2) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30B. 1,2-Diphenyl-hydrazine (as Azo-benzene) (122-66-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 32B. Fluorene (86-73-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 33B. Hexachloro-benzene (118-74-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 34B. Hexa-chlorobutadiene (87-68-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 35B. Hexachloro-cyclopentadiene (77-47-4) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 36B. Hexachloro-ethane (67-72-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 38B. Isophorone (78-59-1) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 40B. Nitrobenzene (98-95-3) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 41B. N-Nitro-sodimethylamine (62-75-9) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |


CONTINUE ON PAGE V-8

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 003 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 43B. N-Nitro-sodiphenylamine (86-30-6) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 44B. Phenanthrene (85-01-8) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 45B. Pyrene (129-00-0) | X | | | < 10 | < 0.38 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 46B. 1,2,4-Tri-chlorobenzene (120-82-1) | X | | | < 2.0 | < 0.08 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 2P. alpha-BHC (319-84-6) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 3P. beta-BHC (315-85-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 4P. gamma-BHC (58-89-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 5P. delta-BHC (319-86-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 6P. Chlordane (57-74-9) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 8P. 4,4'-DDE (72-55-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 10P. Dieldrin (60-57-1) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 11P.alpha-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 12P. beta-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 14P. Endrin (72-20-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 16P. Heptachlor (76-44-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |


CONTINUE ON PAGE V-9

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 003 |

CONTINUED FROM PAGE V-8

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| GC/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18P. PCB-1242 (53469-21-9) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19P. PCB-1254 (11097-69-1) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20P. PCB-1221 (11104-28-2) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21P. PCB-1232 (11141-16-5) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 22P. PCB-1248 (12672-29-6) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23P. PCB-1260 (11096-82-5) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24P. PCB-1016 (12674-11-2) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25P. Toxaphene (8001-35-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.
SEE INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

EPA Facility Name: **Allen Steam Station**

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 004

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

| 1. POLLUTANT | 2. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | 3. UNITS a. Concentration | b. Mass | 4. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Biochemical Oxygen Demand (BOD) | < 2.0 | < 108.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | #VALUE! | |
| b. Chemical Oxygen Demand (COD) | < 20 | < 1084.9 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Total Organic Carbon (TOC) | 2.6 | 0 141.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| d. Total Suspended Solids (TSS) | < 5.0 | < 271.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| e. Ammonia (as N) | 0.059 | 0 3.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| f. Flow | VALUE 6.5 | | VALUE 6.5 | | VALUE 6.5 | | 107 | MGD | N/A | VALUE | | |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE | | | DEGREES CELSIUS | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | 1 | DEGREES CELSIUS | | VALUE | | |
| i. pH | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | | | 1 | STANDARD UNITS | | | | |

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly or indirectly but expressly in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" Believed a. present | b. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | b. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. Bromide (24959-67-9) | X | | < 1.00 | < 54.2 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| b. Chlorine, Total Residual | X | | < 0.05 | < 2.7 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| c. Color | X | | 40 | N/A | | N/A | | N/A | 1 | Std. Units | N/A | | N/A | |
| d. Fecal Coliform | X | | 7.00 | N/A | | N/A | | N/A | 1 | MPN /100 ml | N/A | | N/A | |
| e. Fluoride (16984-48-8) | X | | < 1.00 | < 54.2 | < 1 | < 54.2 | < 1 | < 54.2 | 2 | mg/l | lb/Day | | 0 | |
| f. Nitrate-Nitrite (as N) | X | | 0.24 | 0 12.8 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |


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ITEM V-B CONTINUED FROM FRONT

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 004 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Believed | | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE | | b. NO. OF ANALYSES |
| | a.present | b.absent | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| g. Nitrogen, Total Organic (as N) | X | | 0.26 | 0 14.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| h. Oil and Grease | X | | < 5.00 | < 271.2 | < 5 | < 271.2 | < 5 | < 271.2 | 8 | mg/l | lb/Day | | 0 | |
| i. Phosphorous (as P), Total (7723-14-0) | X | | 0.025 | 0 1.4 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (2) Beta, Total | X | | < 5.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (3) Radium, Total | X | | < 1.00 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| (4) Radium 226, Total | X | | 0.81 | N/A | | N/A | | N/A | 1 | pCi/l | N/A | | N/A | |
| k. Sulfate (as SO4) (14808-79-8) | X | | 12.00 | 0 650.9 | 12 | 0 650.9 | 9.75 | 0 528.9 | 2 | mg/l | lb/Day | | 0 | |
| l. Sulfide (as S) | X | | 1.20 | 0 65.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| m. Sulfite (as SO3) (14265-45-3) | X | | < 2.00 | < 108.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| n. Surfactants | X | | 0.48 | 0 26.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| o. Aluminum, Total (7429-90-5) | X | | 2.840 | 0 154.0 | 2.84 | 0 154.0 | 1.56 | 0 84.6 | 2 | mg/l | lb/Day | | 0 | |
| p. Barium, Total (7440-39-3) | X | | 0.029 | 0 1.6 | 0.029 | 0 1.6 | 0.023 | 0 1.2 | 2 | mg/l | lb/Day | | 0 | |
| q. Boron, Total (7440-42-8) | X | | 0.057 | 0 3.1 | 0.057 | 0 3.1 | 0.028 | 0 1.5 | 2 | mg/l | lb/Day | | 0 | |
| r. Cobalt, Total (7440-48-4) | X | | < 0.001 | < 0.1 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| s. Iron, Total (7439-89-6) | X | | 2.580 | 0 139.9 | 2.58 | 0 139.9 | 1.45 | 0 78.7 | 2 | mg/l | lb/Day | | 0 | |
| t. Magnesium, Total (7439-95-4) | X | | 2.58 | 0 139.9 | 2.58 | 0 139.9 | 2.45 | 0 132.9 | 2 | mg/l | lb/Day | | 0 | |
| u. Molybdenum, Total (7439-98-7) | X | | < 0.0010 | < 0.1 | < 0.001 | < 0.1 | < 0.001 | < 0.1 | 2 | mg/l | lb/Day | | 0 | |
| v. Manganese, Total (7439-96-5) | X | | 0.260 | 0 14.1 | 0.26 | 0 14.1 | 0.175 | 0 9.5 | 2 | mg/l | lb/Day | | 0 | |
| w. Tin, Total (7440-31-5) | X | | < 0.010 | < 0.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |
| x. Titanium, Total (7440-32-6) | X | | 0.009 | 0.5 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0 | |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
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CONTINUED FROM PAGE 3 OF FORM 2-C

**Allen Steam Station**

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **METALS, CYANIDE, AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | X | | | < 1.0 | < 0.05 | < 1 | < 0.05 | < 1 | < 0.05 | 2 | ug/l | lb/Day | | 0.00 | |
| 2M. Arsenic, Total (7440-38-2) | X | | | < 1.0 | < 0.05 | < 1 | 0.05 | < 1 | < 0.05 | 2 | ug/l | lb/Day | | 0.00 | |
| 3M. Beryllium, Total (7440-41-7) | X | | | < 1.0 | < 0.05 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4M. Cadmium, Total (7440-43-9) | X | | | < 0.1 | < 0.01 | < 0.01 | < 0.00 | < 0.01 | < 0.00 | 2 | ug/l | lb/Day | | 0.00 | |
| 5M. Chromium, Total (7440-47-3) | X | | | < 2.0 | < 0.11 | < 2 | < 0.11 | < 2 | < 0.11 | 2 | ug/l | lb/Day | | 0.00 | |
| 6M. Copper, Total (7440-50-8) | X | | | 0.007 | 0 0.38 | 0.007 | 0 0.38 | 0.0035 | 0 0.19 | 2 | mg/l | lb/Day | | 0.00 | |
| 7M. Lead, Total (7439-92-1) | X | | | < 1.0 | < 0.05 | < 1 | < 0.05 | < 1 | < 0.05 | 2 | ug/l | lb/Day | | 0.00 | |
| 8M. Mercury, Total (7439-97-6) | X | | | 0.00111 | 0 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9M. Nickel, Total (7440-02-0) | X | | | < 1.0 | < 0.05 | < 1 | < 0.05 | < 1 | < 0.05 | 2 | ug/l | lb/Day | | 0.00 | |
| 10M. Selenium, Total (7782-49-2) | X | | | < 1.0 | < 0.05 | < 1 | < 0.05 | < 1 | < 0.05 | 2 | ug/l | lb/Day | | 0.00 | |
| 11M. Silver, Total (7440-22-4) | X | | | < 1.0 | < 0.05 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12M. Thallium, Total (7440-28-0) | X | | | < 0.0002 | < 0.0 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | |
| 13M. Zinc, Total (7440-66-6) | X | | | 0.005 | 0 0.27 | 0.27 | 0 14.65 | 0.139 | 0 7.54 | 2 | mg/l | lb/Day | | 0.00 | |
| 14M. Cyanide, Total (57-12-5) | X | | | < 0.010 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | mg/l | lb/Day | | 0.00 | |
| 15M. Phenols, Total | X | | | < 0.005 | < 0.3 | | 0 0.0 | | 0 0.0 | 1 | mg/l | lb/Day | | 0.00 | |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8 Tetra chlorodibenzo P Dioxin (1764-01-6) | | | X | DESCRIBE RESULTS < 0.627 | < 34.0 | | 0 0.0 | | 0 0.0 | 1 | pg/L | lb/Day | | 0.00 | |

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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 004 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quired | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | X | | | < 5.0 | < 0.27 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2V. Acrylonitrile (107-13-1) | X | | | < 5.0 | < 0.27 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3V. Benzene (71-43-2) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4V. Bis (Chloro-methyl) Ether (542-88-1) | | | X | | 0 | | 0 | | 0 | | | | | 0 | |
| 5V. Bromoform (75-25-2) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6V. Carbon Tetrachloride (56-23-5) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7V. Chlorobenzene (108-90-7) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8V. Chlorodi-bromomethane (124-48-1) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9V. Chloroethane (75-00-3) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10V. 2-Chloro-ethylvinyl Ether (110-75-8) | X | | | < 5.0 | < 0.27 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11V. Chloroform (67-66-3) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12V. Dichloro-bromomethane (75-27-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13V. Dichloro-difluoromethane (75-71-8) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14V. 1,1-Dichloro-ethane (75-34-3) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15V. 1,2-Dichloro-ethane (107-06-2) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16V. 1,1-Dichloro-ethylene (75-35-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17V. 1,2-Dichloro-propane (78-87-5) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18V. 1,3-Dichloro-propylene (542-75-6) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19V. Ethylbenzene (100-41-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20V. Methyl Bromide (74-83-9) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21V. Methyl Chloride (74-87-3) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |



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| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 004 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | Believed c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - VOLATILE COMPOUNDS (continued)** | | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23V. 1,1,2,2-Tetra-chloroethane (79-34-5) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24V. Tetrachloro-ethylene (127-18-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25V. Toluene (108-88-3) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26V. 1,2-Trans-Dichloroethylene (156-60-5) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27V. 1,1,1-Tri-chloroethane (71-55-6) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28V. 1,1,2-Tri-chloroethane (79-00-5) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29V. Trichloro-ethylene (79-01-6) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30V. Trichloro-fluoromethane (75-69-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31V. Vinyl Chloride (75-01-4) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - ACID COMPOUNDS** | | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2A. 2,4-Dichloro-phenol (120-83-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3A. 2,4-Dimethyl-phenol (105-67-9) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5A. 2,4-Dinitro-phenol (51-28-5) | X | | | < 50 | < 2.71 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6A. 2-Nitrophenol (88-75-5) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8A. P-Chloro-M-Cresol (59-50-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9A. Pentachloro-phenol (87-86-5) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10A. Phenol (108-95-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11A. 2,4,6-Tri-chlorophenol (88-06-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979

OUTFALL NUMBER: 004

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. Present | 2. MARK "X" Believed c. Absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GC/MS FRACTION - BASE NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 2B. Acenaphtylene (208-96-8) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 3B. Anthracene (120-12-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 4B. Benzidine (92-87-5) | X | | | < 100 | < 5.42 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 5B. Benzo (a) Anthracene (56-55-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 6B. Benzo (a) Pyrene (50-32-8) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 7B. 3,4-Benzo-fluoranthene (205-99-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 8B. Benzo (ghi) Perylene (191-24-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 9B. Benzo (k) Fluoranthene (207-08-9) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 10B. Bis (2-Chloro-ethoxyl) Methane (111-91-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 11B. Bis (2-Chloro-ethyl) Ether (111-44-4) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 12B.Bis (2-Chloroiso-propyl) Ether (108-60-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 14B. 4-Brome-phenyl Phenyl Ether (101-55-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 15B. Butyl Benzyl Phthalate (85-68-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 16B. 2-Chloro-naphthalene (91-58-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18B. Chrysene (218-01-9) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20B. 1,2-Dichloro-benzene (95-50-1) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21B. 1,3-Dichloro-benzene (541-73-1) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |



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CONTINUED FROM PAGE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1): NC0004979 | OUTFALL NUMBER: 004

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" a. Required | 2. MARK "X" Believed b. present | 2. MARK "X" Believed c. absent | 3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | 4. UNITS a. Concentration | 4. UNITS b. Mass | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (1) Concentration | 5. INTAKE (optional) a. LONG TERM AVG. VALUE (2) Mass | 5. INTAKE (optional) d. NO. OF ANALYSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22B. 1,4-Dichlorobenzene (106-46-7) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23B. 3,3-Dichlorobenzidine (91-94-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24B. Diethyl Phthalate (84-66-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25B. Dimethyl Phthalate (131-11-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 27B. 2,4-Dinitrotoluene (121-14-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 28B. 2,6-Dinitrotoluene (606-20-2) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 32B. Fluorene (86-73-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 33B. Hexachlorobenzene (118-74-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 34B. Hexachlorobutadiene (87-68-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 36B. Hexachloroethane (67-72-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 38B. Isophorone (78-59-1) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 40B. Nitrobenzene (98-95-3) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 41B. N-Nitrosodimethylamine (62-75-9) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 11 | ug/l | lb/Day | | 0.00 | |

| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 004 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. Required | b. Believed present | c. Believed absent | a. MAXIMUM DAILY VALUE (1) Concentration | a. MAXIMUM DAILY VALUE (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | b. MAXIMUM 30 DAY VALUE (if available) (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | c. LONG TERM AVG. VALUE (if available) (2) Mass | d. NO. OF ANALYSES | a. Concentration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | a. LONG TERM AVG. VALUE (2) Mass | d. NO. OF ANALYSES |
| **GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)** | | | | | | | | | | | | | | | |
| 43B. N-Nitrosodiphenylamine (86-30-6) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 44B. Phenanthrene (85-01-8) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 45B. Pyrene (129-00-0) | X | | | < 10 | < 0.54 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | X | | | < 2.0 | < 0.11 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| **GC/MS FRACTION - PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 2P. alpha-BHC (319-84-6) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 3P. beta-BHC (315-85-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 4P. gamma-BHC (58-89-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 5P. delta-BHC (319-86-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 6P. Chlordane (57-74-9) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 8P. 4,4'-DDE (72-55-9) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 10P. Dieldrin (60-57-1) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 11P.alpha-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 12P. beta-Endosulfan (115-29-7) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 14P. Endrin (72-20-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |
| 16P. Heptachlor (76-44-8) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | | |


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CONTINUED FROM PAGE V-8

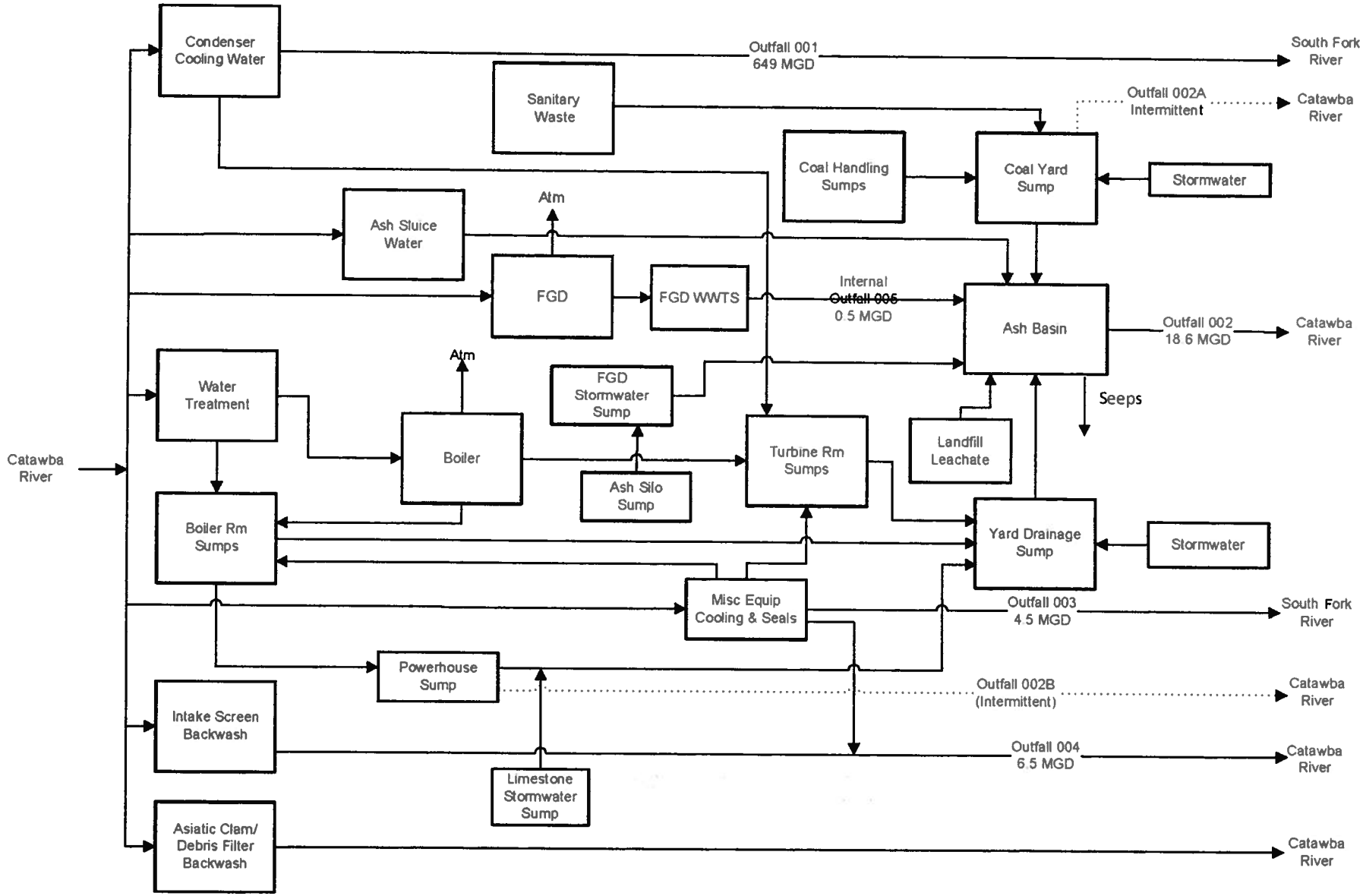
| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
|---|---|
| NC0004979 | 004 |

**Allen Steam Station**

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. re-quir-ed | Believed b. pre-sent | c. ab-sent | a. MAXIMUM DAILY VALUE (1) Concentration | (2) Mass | b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration | (2) Mass | c. LONG TERM AVG. VALUE (if available) (1) Concentration | (2) Mass | d. NO. OF ANALYSES | a. Concen-tration | b. Mass | a. LONG TERM AVG. VALUE (1) Concentration | (2) Mass | d. NO. OF ANALYSES |
| GC/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 18P. PCB-1242 (53469-21-9) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 19P. PCB-1254 (11097-69-1) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 20P. PCB-1221 (11104-28-2) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 21P. PCB-1232 (11141-16-5) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 22P. PCB-1248 (12672-29-6) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 23P. PCB-1260 (11096-82-5) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 24P. PCB-1016 (12674-11-2) | | | X | < 0.25 | < 0.01 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |
| 25P. Toxaphene (8001-35-2) | | | X | < 0.025 | < 0.00 | | 0 0.00 | | 0 0.00 | 1 | ug/l | lb/Day | | 0.00 | |

# Water Flow Diagram

# Plant Allen 2014 Water Schematic



# Supplemental Information

# NPDES Supplemental Information

# Allen Steam Station

# NPDES Permit #NC0004979

# October 2014

# 1.0 General Information

Plant Allen utilizes waters from the Catawba River for condenser cooling and service water requirements. A brief discussion of each discharge follows. All flows are based on historical data when possible or pump design capacities and normal run-times.

# 2.0 Outfall Information

## 2.1 Outfall 001 – Condenser Cooling Water (CCW)

The CCW system is a once-through, non-contact cooling water system that removes heat rejected from the condensers and other selected heat exchangers and then discharges into the South Fork River. Each of the 5 units at Plant Allen has two condenser cooling pumps. The number of pumps used is dependent on unit load and intake temperatures with more pumps running with higher loads and intake temperatures.

Units 1 and 2 share a common cooling water supply tunnel served by a total of 4 CCW pumps. Units 3 and 4 also share a tunnel and 4 CCW pumps. Unit 5 has a separate tunnel and 2 CCW pumps. The common tunnel design enables three pumps to give Units 1 and 2 or 3 and 4 the equivalent of 1 ½ pump operation. The 1 ½ pump operation adds an economical range or flexibility when units are on partial load and when intake water temperatures are minimal.

**Condenser Cooling Water Pump Capacities**

| Unit No. | 1-Pump GPM | 1.5-Pump GPM | 2-Pump GPM |
|---|---|---|---|
| 1 | 55,500 | 74,800 | 83,500 |
| 2 | 55,500 | 74,800 | 83,500 |
| 3 | 83,000 | 111,200 | 126,000 |
| 4 | 83,000 | 111,200 | 126,000 |
| 5 | 83,000 | | 126,000 |

Note: Maximum cooling flow 545,000 GPM

All condenser tubes at Plant Allen are cleaned manually with metal or rubber plugs. Mechanical cleaning is required once a year for most units. A leak test is performed periodically on the condenser tubes. If leaks are suspected, then one method used to temporarily stop small leaks is to add sawdust to the CCW system, as previously approved by NC DENR. The sawdust is added at amounts that will plug the leaks and not result in an environmental impact. This is a temporary measure until the unit can come off-line so the leaks can be permanently repaired.

### 2.1.1 Asiatic Clam/Debris Filter Backwash

Water for the Unit 5 CCW water is filtered for any twigs, leaves, and other light debris, which passed through the intake screens. Asiatic clams, which are common in Lake Wylie and can clog the condenser tubes, are also captured in this filter. This filter is

backwashed once a week for 15 minutes. A maximum flow of 3000 GPD is realized. No additives are in the backwash water. The twigs, leaves, clams and other light debris collected in the debris filter are indigenous to the river and can be flushed back with no harmful environmental consequences.

## 2.2 Outfall 002 – Ash Basin

### 2.2.1 Stormwater run-off

Storm water run-off enters the ash basin from the ash basin's drainage area, the yard drainage sump, the coal yard sump, the FGD storm water basin and the landfill leachate sump. The powerhouse sump and the limestone storm water sump discharges its rainfall run-off into the yard drainage sump.

### 2.2.2 Sanitary Wastes

Sanitary waste at Plant Allen is treated in a septic tank with the effluent from the septic tank being discharged to the Ash Basin via the Coal Yard sump. Approximately 115 people are responsible for the load on this system. An average flow of 4850 GPD is treated by the system. The drinking water is supplied by City of Belmont Utilities Department.

### 2.2.3 Ash Sluice

Plant Allen has converted to a dry ash handling system. Ash collected in the electrostatic precipitators is transported by compressed air to two silos where ash is transferred to trucks for ultimate disposal in the newly constructed on-site landfill. Wet sluicing is still utilized during times of dry system upset. Bottom ash sluicing to the basin requires approximately 6.0 MGD.

Plant Allen presently has additional air pollution control systems installed on three units. Use of these systems entails the use of low concentrations of sulfur compounds. These systems aid in the collection of the ash in the electrostatic precipitators.

### 2.2.4 Recirculating Water System (RCW)

Plant Allen has 2 RCW systems: a chiller system and a pump cooling water system. Both systems use the biocide Nalco H-550 or similar products. In addition, the corrosion inhibitor Nalco CS-4710 or similar product is used. Generally, these systems are closed loop in nature, but may need to be drained occasionally. All such water would enter the floor drains and then be discharged to the ash basin.

### 2.2.5 Miscellaneous Waste Streams

#### 2.2.5.1 Heat Exchanger Cleaning

Periodically, it may be necessary to clean the small heat exchangers with polyacrylamide, polyacrylate, sodium laurylsulfate and tri-sodium phosphate. All wastewater would be routed to the ash basin.

#### 2.2.5.2 Condensate Polishers

Plant Allen utilizes condensate polishers which divert a portion of the normal condensate (closed system) flow through one of two cells per unit. The polishers provide filtration as well as ion exchange functions to remove or substantially reduce dissolved solids and suspended matter present in the condensate stream. The polishers require precoating with a combination of anion and cation resin. To facilitate precoating, 125-150 mL of a solution of polyacrylic acid (25%) is added to the precoat slurry. Upon resin exhaustion, the precoat is removed from the filters by water/air blasting and flushed to the ash basin via sumps. Condensate water is used to remove the exhausted precoat at the rate of:

- Unit 1 & 2 – 1558 gal/precoat
- Units 3, 4, & 5 – 2090 gal/precoat

A total average waste flow of approximately 980 GPD to the ash basin is realized.

#### 2.2.5.3 Condenser Leakage Testing

Fluorescing Dye Method – Approximately 1 lb. of a disodium fluorescing dye added to 280,000 gals of demineralized water is used occasionally to test the condensers for leakage. All wastewater from the testing would be routed to the ash basin.

Sulfur Hexafluoride Method – Periodically, sulfur hexafluoride is injected into the condenser tubes to locate condenser tube leaks. Sulfur hexafluoride is a chemically inert, nonflammable, nontoxic gas with an extremely low water solubility. It is estimated that 150 grams of sulfur hexafluoride would be used during the leak detection process. Most of the sulfur hexafluoride would be volatilized during the process.

#### 2.2.5.4 FGD Stormwater Sump

Stormwater collected at FGD site including: the dry ash handling facility, gypsum pile, WWTS area (not process water), stack, absorbers, switchgear building,

dewatering building, reagent prep building, and the control room area is routed to a large stormwater collection basin prior to being pumped to the ash basin.

#### 2.2.5.5 Landfill Leachate collection discharge

Industrial Solid Waste landfill (Permit No. 36-12) is permitted to accept coal combustion byproducts (fly ash, bottom ash, gypsum, WWTS filter press sludge cake) consists of a double liner with leachate collection system. Collected leachate is pumped to ash basin.

### 2.2.6 Ash Basin Treatment

Sulfuric Acid System – An acid injection system utilizing 93% sulfuric acid is operated as needed to maintain pH level below 9.0 standard units.

Sodium Hydroxide System – A sodium hydroxide injection system utilizing 25% or 50% sodium hydroxide operated as needed to maintain pH level above 6.0 standard units.

### 2.2.7 Yard Drain Sump

The yard drain sump is a large concrete structure that has three level controlled pumps, which pump wastewater from Plant Allen to the ash basin. These pumps are operated on a rotating basis. The combined average flow from all sources tied to the yard drain sump is approximately 4.0 MGD. Listed below is a description of waste streams going to the yard drain sump:

#### 2.2.7.1 Boiler Room Sumps (Units 1-4)

The water which flows to the boiler room sumps originates from such sources as floor wash water, boiler blowdown, water treatment waste, condensates, equipment cooling water, sealing water and miscellaneous leakage (refer to the attached schematic of water flow for individual flows). The effluent from the units 1 through 4 boiler room sumps is flushed to the yard drain sump. The effluent from the unit 5 boiler room sump is flushed to the power house sump, which is then flushed to the yard drain sump.

#### 2.2.7.2 Turbine Room Sumps

The turbine room sumps accommodate flows from floor washing, leakage, and occasional condenser water box drainage. Effluent from units 1 through 5 turbine room sumps is flushed to the yard drain sump.

#### 2.2.7.3 Limestone Unloading/Storage Area Sump

Limestone sump collects storm water from limestone unloading and storage area and routes to YD sump via PH sump discharge line.

#### 2.2.7.4 Power House Sump (Unit 5)

The wastes, which enter the floor drains at Plant Allen, accumulate in the boiler room sumps and turbine room sumps. The water which flows to the boiler room sumps originates from such sources as floor wash water, boiler blowdown, water treatment waste, condensates, equipment cooling water, sealing water and miscellaneous leakage. Effluent from the unit 5 boiler room sump is routed to the powerhouse sump, which is then flushed to the yard drain sump. This sump also receives storm water from various drains located on the north end of the powerhouse.

### 2.2.8 Water Treatment System

The water treatment wastes consist of sedimentation, filter backwash, reverse osmosis (RO) concentrate, demineralizer regeneration wastes and boiler blowdown. The make-up water treatment system is comprised of a clarifier, two pressure filters, two activated carbon filters, pre RO filters, a reverse osmosis unit and one set of demineralizers. Make-up water is used in the boilers and closed cooling systems.

Clarifier:

The clarifier has an average production of 0.252 MGD. Caustic or ferric sulfate/ferric chloride are used to affect precipitation and thus remove suspended solids from the raw river water. Desludging of the clarifier takes place approximately 8% of the unit run-time with an average volume of 2300 GPD going to the ash basin.

Pressure Filters:

There are two pressure filters which follow the clarifier in the water treatment process. These filters are backwashed once per week with a waste flow of 11,000 gallons per backwash. Each pressure vessel will contain 84 $ft^3$ of anthracite, 50 $ft^3$ of quartz, 25 $ft^3$ of garnet and 41 $ft^3$ of garnet/quartz support media. Each vessel will use product water to backwash at a rate of 750 gpm. On average, both vessels are backwashed once per week. The contents of the pressure filters will be changed out, as internal maintenance requires, and the used filter medium will be sluiced to the ash basin.

Activated Carbon Filters:

In addition to the pressure filters, there are two activated carbon filters. These filters are backwashed twice per month. Approximately 30,000 gallons of water are required to backwash each of these filters. The activated carbon filters are composed of approximately 250 $ft^3$ of granular activated carbon (coal). The spent filter medium is changed out yearly and sluiced to the ash basin.

Reverse Osmosis (RO) Unit:

A RO unit is used to decrease the conductivity in the filtered water, thereby increasing the efficiency of the demineralizers and reducing the amount of chemical needed for demineralizer regeneration. During operation, the unit has a continual blowdown of 60 gal/min, which is discharged to the ash basin. The RO unit is cleaned on a quarterly basis with the waste going to the yard drains and eventually the ash basin. During a cleaning, approximately 30 lbs of a sulfamic acid cleaner along with 5 gallons of biocide, 2 liters of sodium hydroxide, and 0.5 gallons of sodium lauryl sulfate is used

Demineralizer:

The demineralizer consists of two mixed-bed cells. Only one of these cells is operated at any one time. The cell which is in operation is regenerated approximately once every 7-14 days of operation. A regeneration requires 42 gallons of sulfuric acid (78-80%) and 150 gallons of 50% sodium hydroxide. An average dilute waste chemical and rinse flow of 20,000 gal is realized. The dilute acid and caustic are discharged to the floor drains simultaneously through the same header for neutralization purposes. All regeneration wastes are flushed to the ash basin. The demineralizer resin is changed out approximately once every 10 years and the spent resin is sluiced to the ash basin. Approximately 1 milliliter of the surfactant Triton CF-54 or similar product is added to the new resin to improve separation.

Boiler Blowdown:

Each of the five boilers at Plant Allen blowdown at an average rate of approximately 500 lbs. of steam per hour. The blowdown is allowed to flash in a blowdown tank. Most of the blowdown is vented to the atmosphere with a minimal amount of condensate discharged to the boiler room sump. The average condensate flow to this sump is 0.004 MGD. Hydrazine is maintained at a concentration of 25 ppb in the condensate system for deoxygenation. A minute amount of hydrazine (<10 ppb) may be present in the condensate flow to the boiler room sump.

### 2.2.9 Preheater Washes

Preheaters are backwashed with raw water on an as needed basis to remove ash and corrosion products. There are 12 preheaters at Allen that would require approximately 100,000 gallons of backwash water each. The backwash water is routed to the ash basin through the yard drain sump.

### 2.2.10 Laboratory Wastes

The plant chemistry and the FGD chemistry laboratories on-site perform a variety of water analyses and routine sample collections. Therefore several chemicals are used in the lab in small quantities for sample preservation, bottle rinsing, equipment calibration, conductivity analyses, etc. The wastes are flushed down the sink and discharged into the yard drain sump and then pumped to the ash basin. Some of the laboratory chemicals are as follows: ammonia molybdate, acetic acid, ferric sulfate, hydrochloric acid, monoethylamine, nitric acid and potassium hydroxide.

### 2.2.11 Selective Non-Catalytic Reduction (SNCR)

As part of the compliance with the North Carolina Clean Air Initiative (NCCAIR), Allen has installed a urea-based "trim" Selective Non-Catalytic Reduction (SNCR) systems on all five units. The trim SNCR systems are expected to reduce NOx emissions by approximately 30%. SNCR systems operate by injecting urea into the upper section of the boiler where a chemical reaction occurs to reduce the NOx to water and nitrogen. Some residual ammonia will be collected on the fly ash in the electrostatic precipitators and a small amount will be carried to the ash basin. However, the operation of the SNCR system is not expected to require additional treatment capabilities to ensure compliance with NPDES permit limits.

### 2.2.12 Flue Gas Desulfurization (FGD)

A Wet Flue Gas Desulfurization (FGD) system has been installed at Allen for the reduction of $SO_2$ from the stack gas. The following provides a description of the FGD system at Allen.

In a Wet Scrubber system, the $SO_2$ component of the flue gas produced from the coal combustion process is removed by reaction with limestone-water slurry. The particular system used at Allen collects the flue gas after it passes through the electrostatic precipitator and routes the gas into the absorber tank. As the gas rises through the tank to the outlet at the top, the gas passes through a spray header. A slurry of water and limestone droplets is continually sprayed through this header into the stream of flue gas. The $SO_2$ in the flue gas reacts with the calcium in the limestone and produces $SO_3$. The $SO_3$ slurry falls to the bottom of the tank where a stream of air is injected to oxidize the slurry to form gypsum ($CaSO_4 * 2H_2O$). The gypsum slurry is drawn off the

absorber tank and subsequently pumped to a vacuum belt filter. Part of the process water from the FGD system is blown down in order to maintain the FGD water chemistry within the FGD system specifications. This water is treated in a wastewater treatment system that discharges to the ash basin via internal Outfall 005.

The FGD system has a material handling system that supplies limestone to the scrubber and a gypsum storage area for the gypsum removed from the process. The limestone comes onto the site by rail and is then transferred to the FGD site via a covered conveyor. Runoff from the storage area is routed to the ash basin. The gypsum is routed from the FGD tank to a dewatering belt and then to a covered conveyor belt that will carry it to a storage pile. The runoff from this area is also routed to the ash basin.

#### 2.2.13 Seeps

There have been approximately nine (9) seeps identified associated with the ash basin at the Allen Station. These seeps contribute a minimal amount of flow into Lake Wylie and the Catawba River.

### 2.3 Outfall 002A – Coal Yard Sump Overflow

An overflow pipe that directs flow from the sump to the Catawba River was included in the construction of the coal yard sump. This modification was implemented to prevent submergence and damage of the pump motors within the sumps in the event that all pumps failed or redundant power supply lines could not be restored in a timely manner.

### 2.4 Outfall 002B – Powerhouse Sump Overflow

An overflow pipe that directs flow from the sump to the ground was included in the construction of the powerhouse sump. This modification was implemented to prevent submergence and damage of the pump motors within the sumps in the event that all pumps failed or redundant power supply lines could not be restored in a timely manner. If enough water overflows, the waste water could potentially discharge into the Catawba River. Overflow has not occurred during the last permit cycle.

### 2.5 Outfall 003 – Misc Equipment Cooling & Seal Water

Outfall 003 discharges into the CCW discharge canal. The discharge consists of cooling water from units 4 and 5 boiler feedpump hydraulic coupling coolers and other miscellaneous equipment cooling. This water is once-through, non-contact cooling water withdrawn from the service water system.

Approximately 10,000 gpd of bearing cooling water for the ash line booster pump is routed back to the discharge canal via a stormwater outfall in the vicinity of outfall 003. The water is once through, non-contact cooling water withdrawn from the service water system.

### 2.6 Outfall 004 – Equipment Cooling & Intake Screen Backwash

#### 2.6.1 Equipment Cooling Water

Cooling water for units 1, 2 & 3 boiler feed pump hydraulic coupling coolers and other miscellaneous equipment is discharged through outfall 004. This water is once-through, non-contact water drawn from the service water system. In addition, water from a vehicle rinse-down area is directed to this outfall. The rinse water contains no soaps or other additives. Allen has also added a chiller system for comfort cooling that is a once-through, non-contact cooling water system and discharges back to the river via outfall 004.

#### 2.6.2 Intake Screen Backwash

The intake screens at Plant Allen are flushed on an "as needed" basis. Backwash usually averages 2 hours per shift. The average volume required is 0.053 MGD. The large debris floating on the river is caught on the parallel bar screens. This trash is collected and disposed of in a landfill. The silt, twigs, leaves and other light debris collected on the rotating screens are indigenous to the river and are therefore flushed back into the river with no harmful environmental consequences.

### 2.7 (Internal) Outfall 005 – WWTS Effluent Discharge

FGD purge water is routed to a WWTS consisting of a physical-chemical process designed to precipitate heavy metals and remove suspended solids. The clarified product water is routed to a series of bioreactors designed for selenium and nitrate removal. The bioreactor product water is discharged to the ash basin via Outfall 005.

## 3.0 Hazardous and Toxic Substances

### 3.1 Hazardous and Toxic Substances Table 2c-3

At Plant Allen, the potential for toxic and hazardous substances being discharged is very low. In reference to Item V-D of Form 2-C, the substances identified under Table @c-3 that may be in the discharge are as follows: Acetaldehyde, Asbestos, Butyl Acetate, Cyclohexane, Diuron, Epichlorohydrin, Formaldehyde, Monoethyl Amine, Propylene Oxide, Pyrethrins, Vinyl Acetate, and Xylene.

Other - During the course of the year products such as commercial cleaners and laboratory reagents may be purchased which contain low levels of a substance found in Table 2c-3. It is not anticipated that these products will impact the ash basin's capacity to comply with existing toxicity limits, since their concentrations are extremely low.

### 3.2 40 CFR 117 and CERCLA Hazardous Substances

The following table identifies hazardous substances located on-site that may be released to the ash basin during a spill in quantities equal to or greater than the reportable quantity (RQ) levels as referenced in 40 CFR 117, 302 and 355. This list is provided under 40 CFR 117 and the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). These values below represent the maximum quantities onsite that could be released at one time and sent to the ash basin. They do not reflect quantities that are discharged through typical use.

## Allen Steam Station Hazardous Substances in Excess of RQ

## Table 3.2

| SUBSTANCE | QUANTITY | SOURCE |
|---|---|---|
| Benzene | 83 lbs | Gasoline Tank |
| Ethylbenzene | 2,737 lbs | Diesel Fuel Tanks |
| Hydrazine | 499 lbs | Warehouse |
| Napthalene | 41,700 lbs | Fuel Oil Tanks |
| Sodium Hydroxide | 1,181 lbs | Ash Basin/Warehouse #3 Fan Room |
| Sodium Nitrite | 800 lbs | Warehouse/Powerhouse |
| Sulfuric Acid | 44,277 lbs | Powerhouse |
| Xylene (Mixed Isomers) | 419 lbs | Gas Tank |

## 4.0 Allen Steam Station 316 (a) Determination

During the term of this permit Duke Energy has continued to monitor the receiving waters of Lake Wylie in an attempt to determine if the Lake still supports a balanced and indigenous population. The attached Balanced and Indigenous Population Report (BIP) continues to indicate that Lake Wylie continues to support a balanced and indigenous population of fish and macro-invertebrates. Therefore, Duke energy request that the thermal variance for the Allen Steam Station be continued for the next permit cycle.

## 5.0 Allen Steam Station 316 (b)

Please see the attached alternate schedule request.