US EPA ARCHIVE DOCUMENT

# KPDES FORM C

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

## PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact Surface Water Permits Branch, (502) 564-3410.

| Name of Facility: Sidney Coal Company, Inc. | County: Pike | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **I. OUTFALL LOCATION** | AGENCY USE | | | | | | | |

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

| Outfall No. (list) | LATITUDE | | | LONGITUDE | | | RECEIVING WATER (name) |
|---|---|---|---|---|---|---|---|
| | Degrees | Minutes | Seconds | Degrees | Minutes | Seconds | |
| *The addition of new sediment structures are not a part of the mining plan for 898-0798 A1. New structures will not be added. Only the utilization of one previously permitted (KPDES No. KY0107140) pond will be used for sediment and drainage control for the newly proposed additional mining acreage. This pond was permitted on March 12, 2010. | | | | | | | |
| Pond 1A* (previously permitted) | 37 | 39 | 47 | 82 | 22 | 07 | Bevins Branch |

## 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 outfall. 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.

| OUTFALL NO. (list) | OPERATION(S) CONTRIBUTING FLOW | | TREATMENT | |
|---|---|---|---|---|
| | Operation (list) | Avg/Design Flow (include units) | Description | List Codes from Table C-1 |
| Pond 1A (previously permitted) | Surface runoff | 411.09 cfs (peak) | Sedimentation | 1-U |
| | | | Discharge to surface water | 4-A |

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## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (Continued)

C. Except for storm water 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.)

| OUTFALL NUMBER (list) | OPERATIONS CONTRIBUTING FLOW (list) | FREQUENCY | | FLOW | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Days Per Week (specify average) | Months Per Year (specify average) | Flow Rate (in mgd) | | Total volume (specify with units) | | Duration (in days) |
| | | | | Long-Term Average | Maximum Daily | Long-Term Average | Maximum Daily | |
| | | | | | | | | |

## 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) List effluent guideline category:

☒ No (Go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measures 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 the actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

| AVERAGE DAILY PRODUCTION | | | Affected Outfalls (list outfall numbers) |
|---|---|---|---|
| Quantity Per Day | Units of Measure | Operation, Product, Material, Etc. (specify) | |
| | | | |

## IV. IMPROVEMENTS

**A.** Are you now required by any federal, state or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater 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)

| IDENTIFICATION OF CONDITION AGREEMENT, ETC. | AFFECTED OUTFALLS | | BRIEF DESCRIPTION OF PROJECT | FINAL COMPLIANCE DATE | |
|---|---|---|---|---|---|
| | No. | Source of Discharge | | Required | 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 under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.



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## 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 5-18.

D. Use the space below to list any of the pollutants (refer to SARA Title III, Section 313) listed in Table C-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.

| POLLUTANT | SOURCE | POLLUTANT | SOURCE |
|---|---|---|---|
| | | | |

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. 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)

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## VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge of 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)

## 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)

| NAME | ADDRESS | TELEPHONE (Area code & number) | POLLUTANTS ANALYZED (list) |
|---|---|---|---|
| | | | |

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## 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.

| NAME AND OFFICIAL TITLE (type or print): | TELEPHONE NUMBER (area code and number): |
|---|---|
| Kevin Varney - Vice President | (606) 353-7201 |
| SIGNATURE | DATE |
| | October 1, 2010 |

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**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)

**The water sample provided in this application is the same water sample provided in the original application since sediment structures are not being added to this project.*

**V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)**

**OUTFALL NO. Representative Sample taken from Pond #1 in Fraley Branch (KDMRE Permit No. 898-0672)**

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 (specify if blank) | | 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) | WAVIER REQUESTED | | | | | | | | | | | |
| b. Chemical Oxygen Demand (COD) | WAVIER REQUESTED | | | | | | | | | | | |
| c. Total Organic Carbon (TOC) | WAVIER REQUESTED | | | | | | | | | | | |
| d. Total Suspended Solids (TSS) | 22 | | | | | | 1 | mg/L | | | | |
| e. Ammonia (as N) | WAVIER REQUESTED | | | | | | | | | | | |
| f. Flow (in units of MGD) | VALUE 0.072 | | VALUE | | VALUE | | | MGD | | VALUE | | |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE | | | °c | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | | °c | | VALUE | | |
| i. pH | MINIMUM 7.02 | MAXIMUM 7.02 | MINIMUM | MAXIMUM | | | 1 | STANDARD UNITS | | | | |

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Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" | | 3. EFFLUENT | | | | | | | 4. UNITS | | 6. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. Believed Present | b. Believed 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 | | | | | | | | | | | | |
| b. Chloride | | X | | | | | | | | | | | | |
| c. Chlorine, Total Residual | | X | | | | | | | | | | | | |
| d. Color | | X | | | | | | | | | | | | |
| e. Fecal ☐ Coliform Or E.coli ☐ | | X | | | | | | | | | | | | |
| f. Fluoride (16984-48-8) | | X | | | | | | | | | | | | |
| g. Hardness (as $CaCO_3$) | X | | 414.77 | | | | | | 1 | mg/l | | | | |
| h. Nitrate – Nitrite (as N) | | X | | | | | | | | | | | | |
| i. Nitrogen, Total Organic (as N) | | X | | | | | | | | | | | | |
| j. Oil and Grease | | X | | | | | | | | | | | | |
| k. Phosphorous (as P), Total 7723-14-0 | | X | | | | | | | | | | | | |
| l. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha, Total | | X | | | | | | | | | | | | |
| (2) Beta, Total | | X | | | | | | | | | | | | |
| (3) Radium Total | | X | | | | | | | | | | | | |
| (4) Radium, 226, Total | | X | | | | | | | | | | | | |
| (5) Strontium-90, Total | | X | | | | | | | | | | | | |
| (6 Uranium | | X | | | | | | | | | | | | |

**Part B - Continued**

| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a. Believed Present | b. Believed 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 | |
| m. Sulfate (as $SO_4$) (14808-79-8) | X | | 399 | | | | | | 1 | mg/l | | | | |
| n. Sulfide (as S) | | X | | | | | | | | | | | | |
| o. Sulfite (as $SO_4$) (14286-46-3) | | X | | | | | | | | | | | | |
| p. Surfactants | | X | | | | | | | | | | | | |
| q. Aluminum, Total (7429-90) | | X | | | | | | | | | | | | |
| r. Barium, Total (7440-39-3) | | X | | | | | | | | | | | | |
| s. Boron, Total (7440-42-8) | | X | | | | | | | | | | | | |
| t. Cobalt, Total (7440-48-4) | | X | | | | | | | | | | | | |
| u. Iron, Total (7439-89-6) | X | | 0.09 | | | | | | 1 | mg/l | | | | |
| v. Magnesium Total (7439-96-4) | | X | | | | | | | | | | | | |
| w. Molybdenum Total (7439-98-7) | | X | | | | | | | | | | | | |
| x. Manganese, Total (7439-96-6) | X | | <0.01 | | | | | | 1 | mg/l | | | | |
| y. Tin, Total (7440-31-5) | | X | | | | | | | | | | | | |
| z. Titanium, Total (7440-32-6) | | X | | | | | | | | | | | | |

**Part C –** If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the **Testing Required** column 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 this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the **Believed Present** column for each pollutant you know or have reason to believe is present. Mark "X: in the **Believed Absent** column for each pollutant you believe to be absent. If you mark either the **Testing Required** or **Believed Present** columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven 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. Testing Required | a. Believed Present | b. Believed 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 | |
| **METALS, CYANIDE AND TOTAL PHENOLS** | | | | | | | | | | | | | | | |
| 1M. Antimony Total (7440-36-0) | X | | | <0.002 | | | | | | 1 | mg/l | | | | |
| 2M. Arsenic, Total (7440-38-2) | X | | | <0.001 | | | | | | 1 | mg/l | | | | |
| 3M. Beryllium Total (7440-41-7) | X | | | <0.005 | | | | | | 1 | mg/l | | | | |
| 4M. Cadmium Total (7440-43-9) | X | | | <0.005 | | | | | | 1 | mg/l | | | | |
| 5M. Chromium Total (7440-43-9) | X | | | <0.02 | | | | | | 1 | mg/l | | | | |
| 6M. Copper Total (7550-50-8) | X | | | <0.01 | | | | | | 1 | mg/l | | | | |
| 7M. Lead Total (7439-92-1) | X | | | <0.05 | | | | | | 1 | mg/l | | | | |
| 8M. Mercury Total (7439-97-6) | X | | | <0.0002 | | | | | | 1 | mg/l | | | | |
| 9M. Nickel, Total (7440-02-0) | X | | | 0.009 | | | | | | 1 | mg/l | | | | |
| 10M. Selenium, Total (7782-49-2) | X | | | 0.009 | | | | | | 1 | mg/l | | | | |
| 11M. Silver, Total (7440-28-0) | X | | | <0.01 | | | | | | 1 | mg/l | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **METALS, CYANIDE AND TOTAL PHENOLS (Continued)** | | | | | | | | | | | | | | | |
| 12M. Thallium, Total (7440-28-0) | X | | | 0.1 | | | | | | 1 | mg/l | | | | |
| 13M. Zinc, Total (7440-66-6) | X | | | <0.005 | | | | | | 1 | mg/l | | | | |
| 14M. Cyanide, Total (57-12-5) | X | | | <0.01 | | | | | | 1 | mg/l | | | | |
| 15M. Phenols, Total | X | | | <0.04 | | | | | | 1 | mg/l | | | | |
| **DIOXIN** | | | | | | | | | | | | | | | |
| 2,3,7,8 Tetra-chlorodibenzo, P, Dioxin (1784-01-6) | | | X | DESCRIBE RESULTS: | | | | | | | | | | | |
| **GC/MS FRACTION – VOLATILE COMPOUNDS** | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | | | X | | | | | | | | | | | | |
| 2V. Acrylonitrile (107-13-1) | | | X | | | | | | | | | | | | |
| 3V. Benzene (71-43-2) | | | X | | | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | | | X | | | | | | | | | | | | |
| 6V. Carbon Tetrachloride (56-23-5) | | | X | | | | | | | | | | | | |
| 7V. Chloro-benzene (108-90-7) | | | X | | | | | | | | | | | | |
| 8V. Chlorodibro-momethane (124-48-1) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| 9V. Chloroethane (74-00-3) | | | X | | | | | | | | | | | | |
| 10V. 2-Chloro-ethylvinyl Ether (110-75-8) | | | X | | | | | | | | | | | | |
| 11V. Chloroform (67-66-3) | | | X | | | | | | | | | | | | |
| 12V. Dichloro-bromomethane (75-71-8) | | | X | | | | | | | | | | | | |
| 14V. 1,1-Dichloroethane (75-34-3) | | | X | | | | | | | | | | | | |
| 15V. 1,2-Dichloroethane (107-06-2) | | | X | | | | | | | | | | | | |
| 16V. 1,1-Dichlorethylene (75-35-4) | | | X | | | | | | | | | | | | |
| 17V. 1,2-Di-chloropropane (78-87-5) | | | X | | | | | | | | | | | | |
| 18V. 1,3-Dichloropro-pylene (452-75-6) | | | X | | | | | | | | | | | | |
| 19V. Ethyl-benzene (100-41-4) | | | X | | | | | | | | | | | | |
| 20V. Methyl Bromide (74-83-9) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| 21V. Methyl Chloride (74-87-3) | | | X | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-00-2) | | | X | | | | | | | | | | | | |
| 23V. 1,1,2,2-Tetrachloro-ethane (79-34-5) | | | X | | | | | | | | | | | | |
| 24V. Tetrachloro-ethylene (127-18-4) | | | X | | | | | | | | | | | | |
| 25V. Toluene (108-88-3) | | | X | | | | | | | | | | | | |
| 26V. 1,2-Trans-Dichloro-ethylene (156-60-5) | | | X | | | | | | | | | | | | |
| 27V. 1,1,1-Tri-chloroethane (71-55-6) | | | X | | | | | | | | | | | | |
| 28V. 1,1,2-Tri-chloroethane (79-00-5) | | | X | | | | | | | | | | | | |
| 29V. Trichloro-ethylene (79-01-6) | | | X | | | | | | | | | | | | |
| 30V. Vinyl Chloride (75-01-4) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – ACID COMPOUNDS** | | | | | | | | | | | | | | | |
| 1A. 2-Chloro-phenol (95-57-8) | | | X | | | | | | | | | | | | |
| 2A. 2,4-Dichlor-Orophenol (120-83-2) | | | X | | | | | | | | | | | | |
| 3A. 2,4-Dimeth-ylphenol (105-67-9) | | | X | | | | | | | | | | | | |
| 4A. 4,6-Dinitro-o-cresol (534-52-1) | | | X | | | | | | | | | | | | |
| 5A. 2,4-Dinitro-phenol (51-28-5) | | | X | | | | | | | | | | | | |
| 6A. 2-Nitro-phenol (88-75-5) | | | X | | | | | | | | | | | | |
| 7A. 4-Nitro-phenol (100-02-7) | | | X | | | | | | | | | | | | |
| 8A. P-chloro-m-cresol (59-50-7) | | | X | | | | | | | | | | | | |
| 9A. Pentachloro-phenol (87-88-5) | | | X | | | | | | | | | | | | |
| 10A. Phenol (108-05-2) | | | X | | | | | | | | | | | | |
| 11A. 2,4,6-Tri-chlorophenol (88-06-2) | | | X | | | | | | | | | | | | |
| **GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS** | | | | | | | | | | | | | | | |
| 1B. Acena-phthene (83-32-9) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. POLLUTANT And CAS NO. (if available) | 2. MARK "X" | | | 3. EFFLUENT | | | | | | | 4. UNITS | | 5. INTAKE (optional) | | |
| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)** | | | | | | | | | | | | | | | |
| 2B. Acena-phtylene (208-96-8) | | | X | | | | | | | | | | | | |
| 3B. Anthra-cene (120-12-7) | | | X | | | | | | | | | | | | |
| 4B. Benzidine (92-87-5) | | | X | | | | | | | | | | | | |
| 5B. Benzo(a)-anthracene (56-55-3) | | | X | | | | | | | | | | | | |
| 6B. Benzo(a)-pyrene (50-32-8) | | | X | | | | | | | | | | | | |
| 7B. 3,4-Benzo-fluoranthene (205-99-2) | | | X | | | | | | | | | | | | |
| 8B. Benzo(ghl) perylene (191-24-2) | | | X | | | | | | | | | | | | |
| 9B. Benzo(k)-fluoranthene (207-08-9) | | | X | | | | | | | | | | | | |
| 10B. Bis(2-chlor-oethoxy)-methane (111-91-1) | | | X | | | | | | | | | | | | |
| 11B. Bis (2-chlor-oisopropyl)-Ether | | | X | | | | | | | | | | | | |
| 12B. Bis (2-ethyl-hexyl)-phthalate (117-81-7) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)** | | | | | | | | | | | | | | | |
| 13B. 4-Bromo-phenyl Phenyl ether (101-55-3) | | | X | | | | | | | | | | | | |
| 14B. Butyl-benzyl phthalate (85-68-7) | | | X | | | | | | | | | | | | |
| 15B. 2-Chloro-naphthalene (7005-72-3) | | | X | | | | | | | | | | | | |
| 16B. 4-Chloro-phenyl phenyl ether (7005-72-3) | | | X | | | | | | | | | | | | |
| 17B. Chrysene (218-01-9) | | | X | | | | | | | | | | | | |
| 18B. Dibenzo-(a,h) Anthracene (53-70-3) | | | X | | | | | | | | | | | | |
| 19B. 1,2-Dichloro-benzene (95-50-1) | | | X | | | | | | | | | | | | |
| 20B. 1,3-Dichloro-Benzene (541-73-1) | | | X | | | | | | | | | | | | |
| 21B. 1,4-Dichloro-benzene (106-46-7) | | | X | | | | | | | | | | | | |
| 22B. 3,3-Dichloro-benzidene (91-94-1) | | | X | | | | | | | | | | | | |
| 23B. Diethyl Phthalate (84-66-2) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
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| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)** | | | | | | | | | | | | | | | |
| 24B. Dimethyl Phthalate (131-11-3) | | | X | | | | | | | | | | | | |
| 25B. Di-N-butyl Phthalate (84-74-2) | | | X | | | | | | | | | | | | |
| 26B. 2,4-Dinitro-toluene (121-14-2) | | | X | | | | | | | | | | | | |
| 27B. 2,6-Dinitro-toluene (606-20-2) | | | X | | | | | | | | | | | | |
| 28B. Di-n-octyl Phthalate (117-84-0) | | | X | | | | | | | | | | | | |
| 29B. 1,2-diphenyl-hydrazine (as azonbenzene) (122-66-7) | | | X | | | | | | | | | | | | |
| 30B. Fluoranthene (208-44-0) | | | X | | | | | | | | | | | | |
| 31B. Fluorene (86-73-7) | | | X | | | | | | | | | | | | |
| 32B. Hexachloro-benzene (118-71-1) | | | X | | | | | | | | | | | | |
| 33B. Hexachloro-butadiene (87-68-3) | | | X | | | | | | | | | | | | |
| 34B. Hexachloro-cyclopenta-diene (77-47-4) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)** | | | | | | | | | | | | | | | |
| 35B. Hexachlo-roethane (67-72-1) | | | X | | | | | | | | | | | | |
| 36B. Indneo-(1,2,3-oc)-Pyrene (193-39-5) | | | X | | | | | | | | | | | | |
| 37B. Isophorone (78-59-1) | | | X | | | | | | | | | | | | |
| 38B. Napthalene (91-20-3) | | | X | | | | | | | | | | | | |
| 39B. Nitro-benzene (98-95-3) | | | X | | | | | | | | | | | | |
| 40B. N-Nitroso-dimethyl-amine (62-75-9) | | | X | | | | | | | | | | | | |
| 41B. N-nitrosodi-n-propylamine (621-64-7) | | | X | | | | | | | | | | | | |
| 42B. N-nitro-sodiphenyl-amine (86-30-6) | | | X | | | | | | | | | | | | |
| 43B. Phenan-threne (85-01-8) | | | X | | | | | | | | | | | | |
| 44B. Pyrene (129-00-0) | | | X | | | | | | | | | | | | |
| 45B. 1,2,4 Tri-chloro-benzene (120-82-1) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
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| | a. Testing Required | a. Believed Present | b. Believed 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 | |
| **GC/MS FRACTION – PESTICIDES** | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | | | | | | | | | | | | |
| 2P. α-BHC (319-84-6) | | | X | | | | | | | | | | | | |
| 3P. β-BHC (58-89-9) | | | X | | | | | | | | | | | | |
| 4P. gamma-BHC (58-89-9) | | | X | | | | | | | | | | | | |
| 5P. δ-BHC (319-86-8) | | | X | | | | | | | | | | | | |
| 6P. Chlordane (57-74-9) | | | X | | | | | | | | | | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | | | | | | | | | | | | |
| 8P. 4,4'-DDE (72-55-9) | | | X | | | | | | | | | | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | | | | | | | | | | | | |
| 10P. Dieldrin (60-57-1) | | | X | | | | | | | | | | | | |
| 11P. α-Endosulfan (115-29-7) | | | X | | | | | | | | | | | | |
| 12P. β-Endosulfan (115-29-7) | | | X | | | | | | | | | | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | | | | | | | | | | | | |
| 14P. Endrin (72-20-8) | | | X | | | | | | | | | | | | |

| Part C – Continued | | | | | | | | | | | | | | | | |
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| | | | | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | (1) Concentration | (2) Mass | | | | (1) Concentration | (2) Mass | |
| **GC/MS FRACTION – PESTICIDES** | | | | | | | | | | | | | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | | | | | | | | | | | | |
| 16P Heptachlor (76-44-8) | | | X | | | | | | | | | | | | |
| 17P. Heptaclor Epoxide (1024-57-3) | | | X | | | | | | | | | | | | |
| 18P. PCB-1242 (53469-21-9) | | | X | | | | | | | | | | | | |
| 19P. PCB-1254 (11097-69-1) | | | X | | | | | | | | | | | | |
| 20P. PCB-1221 (11104-28-2) | | | X | | | | | | | | | | | | |
| 21P. PCB-1232 (11141-16-5) | | | X | | | | | | | | | | | | |
| 22P. PCB-1248 (12672-29-6) | | | X | | | | | | | | | | | | |
| 23P. PCB-1260 (11096-82-5) | | | X | | | | | | | | | | | | |
| 24P. PCB-1016 (12674-11-2) | | | X | | | | | | | | | | | | |
| 25P. Toxaphene (8001-35-2) | | | X | | | | | | | | | | | | |