Calvert Cliffs Nuclear Power Plant

NRR



May 29, 2008

Maryland Department of the Environment Water Management Administration 1800 Washington Boulevard Baltimore, MD 21230

ATTENTION: Mr. E. Gertler, Industrial Discharge Permits Division

 SUBJECT:
 Calvert Cliffs Nuclear Power Plant

 State Discharge Permit No. 02-DP-0187, NPDES MD0002399

REFERENCES:

- (a) State Discharge Permit No. 02-DP-0187, NPDES MD0002399
 - (b) Section 1-202 of the Environment Article, Annotated Code of Maryland
 - (c) Electronic Mail from Mr. J. McGillen (MDE) to Ms. Brenda Nuse (CPG), Calvert Cliffs Reapplication, dated May 8, 2008

The National Pollutant Discharge Elimination System Permit renewal application for Calvert Cliffs Nuclear Power Plant (Enclosures 1 and 2), is provided in accordance with Reference (a).

A copy of the Certificate of Worker's Compensation Insurance Coverage (Enclosure 3), is provided in accordance with Reference (b).

General Permit for Storm Water Discharges and Wastewater Discharge Permit Application Supplement: Industrial Wastewater Treatment Plant Classification forms (Enclosures 4 and 5) are provided in accordance with Reference (c).

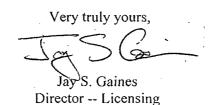
Maps submitted with Environmental Protection Agency Form 1 are current as of May 30, 2008. Note that these site property maps are subject to change based on future improvements.

We anticipate transfer of ownership for Discharge Monitoring Point 005A (Filter Backwash from Swimming Pool) to another owner. Therefore, no analysis is included in this renewal application.

Salinity of the cooling water was 9.1 parts per thousand when the samples were taken. This salinity value is provided to assist in the evaluation of the ammonia result, as the ammonia water quality criteria is linked to the salinity of the receiving water.

Mr. E. Gertler May 29, 2008 Page 2

Should you have questions regarding this matter, please contact Mr. Jay S. Gaines at (410) 495-5219 or Ms. Brenda D. Nuse at (410) 495-4913.



JSG/CAN/bjd

Enclosures: (

- (1) EPA Form 1, General Information, and supporting documents (6 pages)
- (2) EPA Form 2C, Application for Permit to Discharge Wastewater, and supporting documents (26 pages)
- (3) Certificate of Worker's Compensation Insurance Coverage (1 page)
- (4) General Permit for Storm Water Discharges (4 pages)
- (5) Wastewater Discharge Permit Application Supplement: Industrial Wastewater Treatment Plant Classification (2 pages)

cc: Document Control Desk, NRC

ENCLOSURE (1)

EPA FORM 1, GENERAL INFORMATION, AND SUPPORTING

DOCUMENTS (6 PAGES)

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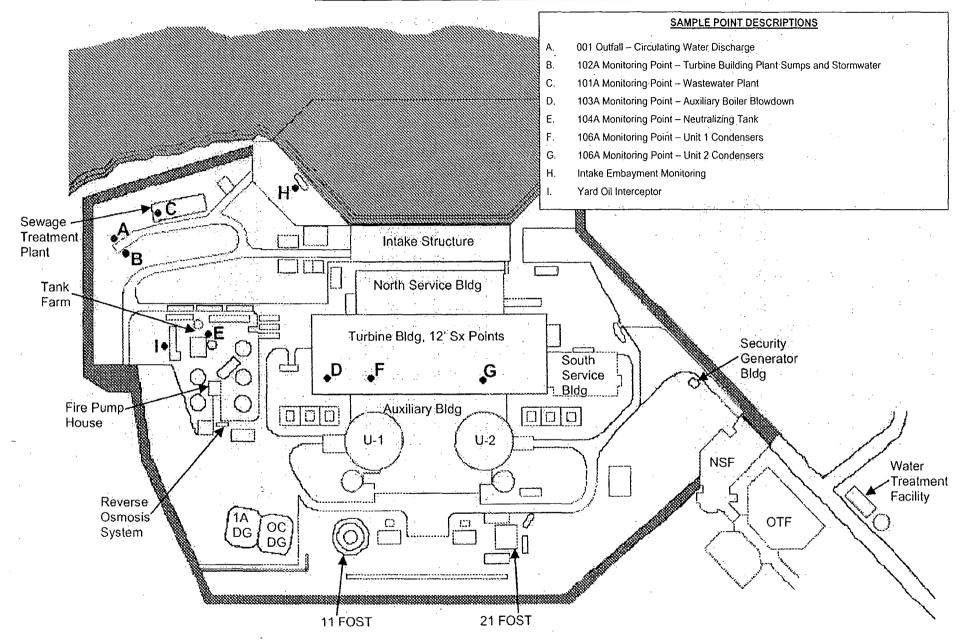
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Calvert Cliffs Nuclear Power Plant, Inc. May 29, 2008

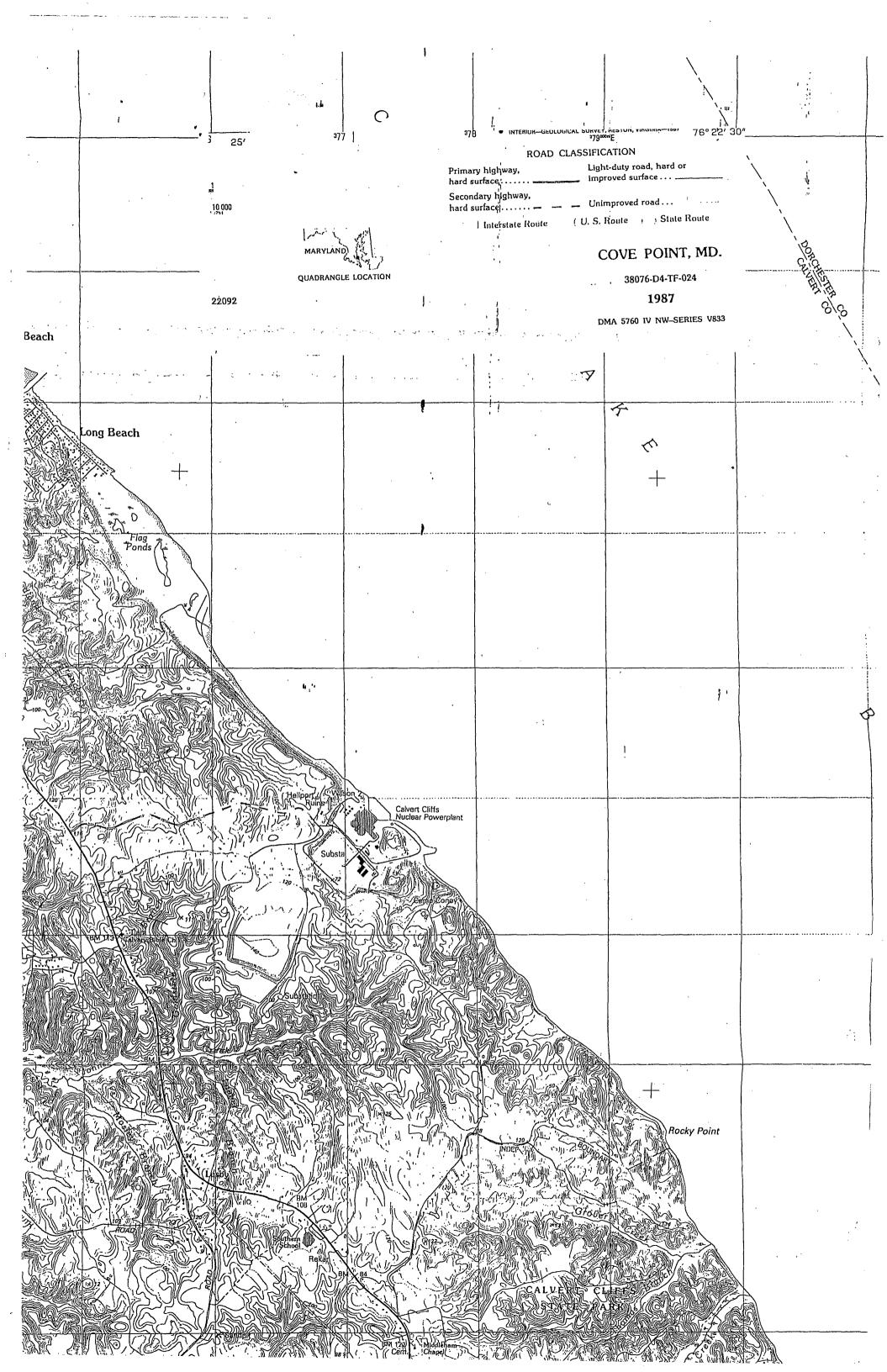
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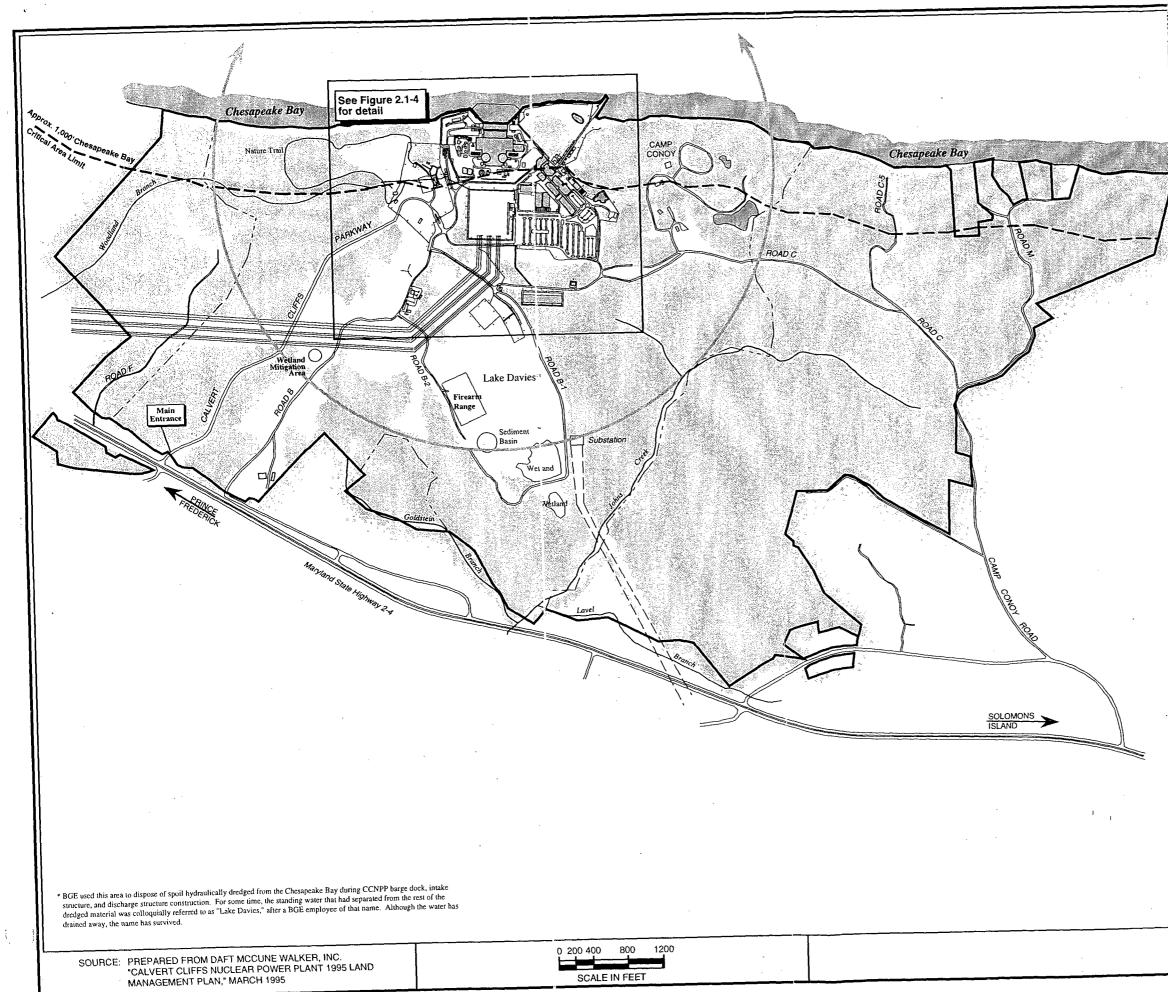
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ENVIRONMENTAL SAMPLE SITES



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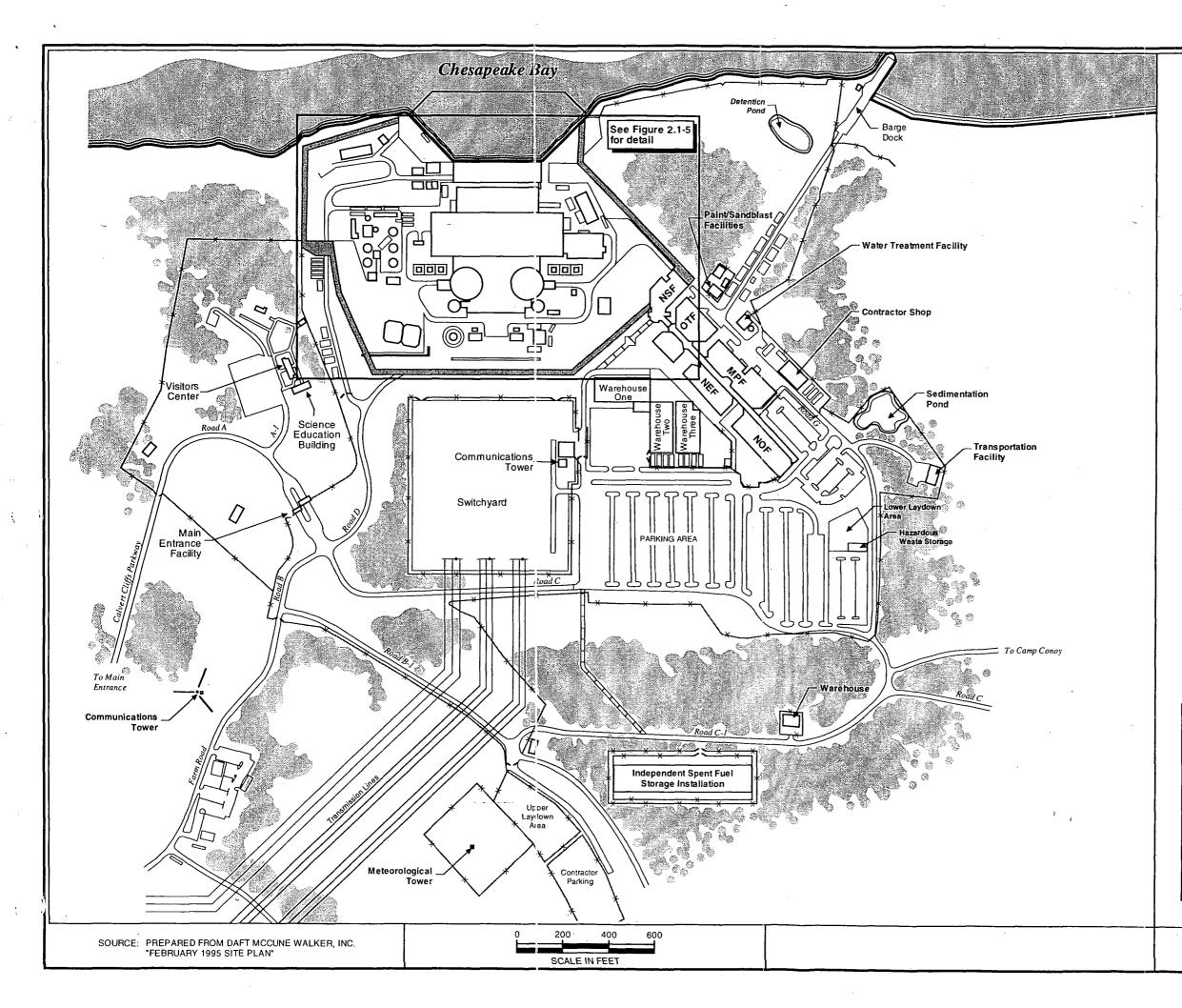


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SCALE IN FEET

| LEGEND: Wooded areas Current site boundary 1973 site boundary (where not contiguous with current site boundary) 1,150-meter exclusion area Figure 2.1-3. CCNPP site layout. | |
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| NSF | Nuclear Security Facility |
| OTF | Office Training Facility |
| NEF | Nuclear Engineering Facility |
| MPF | Materials Processing Facility |
| NOF | Nuclear Office Facility |
| * Bold t | ext indicates addition since 1973 |
| Generalities | Protected area fencing |
| — × — | Security fence - owner controlled |
| | Walkway |

Figure 2.1-4. CCNPP station layout.

ENCLOSURE (2)

EPA FORM 2C, APPLICATION FOR PERMIT TO DISCHARGE

WASTEWATER, AND SUPPORTING DOCUMENTS (26 PAGES)

| | int or type in the | unshaded | areas only. | 1 | EPA I.D. NUN 002399 | MBER (copy f | rom Item 1 of f | `orm [) | Form Approved. OMB No. 2040-0 Approval expires | | | |
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| CONTINUED FF | ROM THE FRONT | r | | | | • | | | | | |
|-----------------------------|---|--------------------|---------------------------------------|-------------------|--------------------------------|--|--|---------------------|---------------------------------------|---------------------|----------------------------------|
| | torm runoff, leaks, YES (<i>complete th</i> | | | of the discharges | described in I | tems II-A or B int | | sonal? | | | |
| |] | | | | 3. FR6 | EQUENCY | | | 4. FLOW | | |
| | | | | | a. DAYS PER | | | | B. TOTAL | | 1 |
| 1. OUTFALL NUMBER (list) | c | 2. OF CONTRI | PERATION(S) IBUTING FLOV (list) | N | WEEK (specify average) | b. MONTHS PER YEAR (specify average) | a. FLOW RA 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | (specify w 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | C. DURATION (in days) |
| 104 <u>,</u> A | Demineralize | r was | ste | | 2 | 12 | 0.04 | 0,08 | 41,900 gal. | 80,000 gal. | 0.04 |
| | DN Lucit guideline limi | | | | | | | | | | |
| | YES (complete Ite | em III-h | 3) | | [| NO (go to Sec | tion IV) | | | | |
| | ations in the applic YES (<i>complete Ite</i> ered "yes" to Item | em 111-C | C) | | | NO (go to Sec | tion IV) | | pressed in the t | erms and unit | s used in the |
| applicable e | ffluent guideline, a | and inc | dicate the aff | ected outfails. | | | | | | | |
| | | | 1. AV | ERAGE DAILY F | | | | | 2. AFF | ECTED OUT | FALLS |
| a. QUANTITY | PER DAY b. l | UNITS | OF MEASU | RE | c. OPERATI | ON, PRODUCT, (specify) | C. | (1: | t outfall numb | ers) | |
| | | | | | | | | | | | × |
| | | | | | | | | | | | |
| IV. IMPROVEM | ENTS | | 1 | | | | | | | <u>, 1</u> | |
| treatment ec | w required by an quipment or practi itions, administrati YES (<i>complete the</i> | ces or ive or e | any other er enforcement | ivironmental prog | grams which n nent complian | nay affect the dis | scharges describ ers, stipulations, | ped in this app | lication? This in | cludes, but is | of wastewater not limited to, |
| | TION OF CONDIT EMENT, ETC. | rion, | | FECTED OUTFA | | 3. BRIEF | DESCRIPTION | OF PROJECT | | | IANCE DATE |
| | | | a. NO. | b. SOURCE OF D | SCHARGE | | | | a. K | EQUIRED b | . PROJECTED |
| | | ×. | | | | ſ | | | | | |
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| | You may attach you now have und | | | | | | | | | | |
| | MARK "X" IF DES | SCRIP | TION OF AD | DITIONAL CON | TROL PROGE | RAMS IS ATTAC | HED | | | | |
| EPA Form 3510 |)-2C (8-90) | | | | PAGE 2 | 2 of 4 | | | | CONTINUE | ON PAGE 3 |

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CONTINUE ON PAGE 3

| | EPA I.D. NUMBER (cop) | from Item 1 of Form 1) | |
|---|--|---|--|
| NTINUED FROM PAGE 2 | MD0002399 | | |
| TAKE AND EFFLUENT CHARACTER | | | |
| 3, & C: See instructions before procee NOTE: Tables V-A, V-B, and V | ding – Complete one set of tables for each ou /-C are included on separate sheets numbere | utfall – Annotate the outfall number in the d V-1 through V-9. | e space provided |
| Use the space below to list any of the | pollutants listed in Table 2c-3 of the instruction ulist, briefly describe the reasons you believe | ons, which you know or have reason to | believe is discharged or may be discharged |
| 1. POLLUTANT | 2. SOURCE | 1. POLLUTANT | 2. SOURCE |
| ie. | | | |
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| DTENTIAL DISCHARGES NOT COV | | | |
| y pollutant listed in Item V-C a substar YES (list all such pollutants i | nce or a component of a substance which you | u currently use or manufacture as an inte O (go to Item VI-B) | ermediate or final product or byproduct? |
| L IES (usi au such politiants) | | | |
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| Form 3510-2C (8-90) | PAGE 3 of 4 | · · · · · · · · · · · · · · · · · · · | CONTINUE ON REVERSE |
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| CONTINUED FROM THE FRONT | | | |
|---|---|---|---|
| VII. BIOLOGICAL TOXICITY TESTING D | | | |
| Do you have any knowledge or reason to relation to your discharge within the last 3 | believe that any biological test for acute or chronic toxici | ty has been made on any of your | discharges or on a receiving water in |
| | describe their purposes below) | NO (go to Section VIII) | |
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| /III. CONTRACT ANALYSIS INFORMATI | ON | | |
| Were any of the analyses reported in Item | V performed by a contract laboratory or consulting firm? |) | |
| YES (list the name, address, each such laboratory or | and telephone number of, and pollutants analyzed by, firm below) | NO (go to Section IX) | |
| A. NAME | B. ADDRESS | C. TELEPHONE (area code & no.) | D. POLLUTANTS ANALYZED (list) |
| Microbac Laboratories, Inc. | 2101 Van Deman St., Baltimore Md 21224 | 410-633-1800 | All analyses reported in section V except for the long term values. |
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| X. CERTIFICATION | | | |
| I certify under penalty of law that this doc qualified personnel properly gather and directly responsible for gathering the infor | ument and all attachments were prepared under my dire evaluate the information submitted. Based on my inqu rmation, the information submitted is, to the best of my k se information, including the possibility of fine and impris | iry of the person or persons who mowledge and belief, true, accura | manage the system or those person: |
| A. NAME & OFFICIAL TITLE (type or print) | | B. PHONE NO. (area code & no.) | |
| Douglas R.Bauder, Plant Gene | eral Manager | (410) 495-5205 | |
| | ······································ | D. DATE SIGNED 5 20 20 | 5 |
| | | | |
| EPA Form 3510-2C (8-90) | | 5/00/10 | |

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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 formal*) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1) MD0002399

V.

| V. INTAKE AND E | FFLUE | NT CHARACT | ERISTICS (continu | ued from page 3 | of Form 2-C) | | | ~ . | | | | | OUTFALL NO | • |
|---|-----------|---------------------|----------------------|---------------------|-----------------------------|----------------|----------------------------------|---------------------------------------|-----------------------|-----------------------|-----------------|---|-------------------------|-----------------------|
| PART A -You mu | st provi | de the results o | f at least one anal | ysis for every po | ollutant in this table | . Complete on | e table for each ou | utfall. See inst | ructions for add | litional details. | | | | |
| | | | | | 2. EFFLUE | ENT | | | | 3. UNI (specify if | | | I. INTAKE (optional) | |
| | [| a. MAXIMUM | DAILY VALUE | | 30 DAY VALUE ailable) | c. LON | G TERM AVRG. V (if available) | ALUE | 1 110 05 | 00110511 | | a. LONG TERM AVERAGE VALUE | | |
| 1. POLLUTAN | 11 | (1) CONCENTRATIO | ON (2) MASS | (1) CONCENTRATIO | ON (2) MASS | (1) CONCE | | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSES |
| a. Biochemical Ox Demand (BOD) | kygen | 2.3 | 63000 | | | | | | 1 | mg/l | lbs | 2.3 | 63000 | 1 |
| b. Chemical Oxyg Demand (<i>COD</i>) | en | 48 | 1300000 | | | - | | | 1 | mg/l | lbs | 42 | 120000 | . 1 |
| c. Total Organic C (TOC) | Carbon | 1.3 | 36000 | | | | | | 1 | mg/l | lbs | 1.3 | 36000 | 1 |
| d. Total Suspende Solids (TSS) | ed | 6.0 | 160000 | | | | | | 1 | mg/l | lbs | 16 | 440000 | 1 |
| e. Ammonia (as N | , | < 0.10 | < 3000 | | - | | | | 1 | mg/l | lbs | 0.26 | 7100 | 1 |
| f. Flow | | VALUE | | VALUE | _ | VALUE | 3284 | | 365 | MGD | | VALUE | | |
| g. Temperature (winter) | | VALUE | | VALUE | | VALUE | 16 | · · · · · · · · · · · · · · · · · · · | 182 | •C | | VALUE | | |
| h. Temperature (summer) | | VALUE | | VALUE | | VALUE | 27 | | 183 | °C | | VALUE | | |
| i. pH | | MINIMUM 8.1 | MAXIMUM 8.1 | MINIMUM | MAXIMUM | | | | 1 | STANDAR | UNITS | | | |
| direct | ly, or in | directly but ex | pressly, in an effl | uent limitations | | st provide the | results of at least | t one analysis | for that pollut | ant. For other pe | ollutants for v | umn 2a for any poll which you mark col | | |
| | 2. N | IARK "X" | | | | . EFFLUENT | | | | 4. L | JNITS | | TAKE (optiona | al) |
| 1. POLLUTANT | а, | Ь. | a. MAXIMUM D | AILY VALUE | b. MAXIMUM 30 (if availe | | c. LONG TERM (if ava. | | d. NO. OF | | | a. LONG TERM | | |
| | PRESEN | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | N (2) MASS | | | | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSES |
| a. Bromide (24959-67-9) | | $ \times $ | | | | | | | | | - | | | |
| b. Chlorine, Total Residual | \times | | | | | | < 0.1 | <3000 | 29 | mg/l | lbs | | | |
| c. Color | | $ \times $ | | | | | | | | | | | | |
| d. Fecal Coliform | | X | | | | | | | | | | | | |
| e. Fluoride (16984-48-8) | | X | | | | | | | | | | | | |
| f. Nitrate-Nitrite (as N) | X | | 0.35 | 9600 | · · · | | | | 1 | mg/l | lbs | 1.9 | 52000 | 1 |

EPA Form 3510-2C (8-90)

ITEM V-B CONTINUED FROM FRONT

| | 2. MA | RK "X" | | | 3. | EFFLUENT | ····· | | | 4. UNI | TS | 5. INT. | 5. INTAKE (optional) | | |
|--|---------------------|--------------------|----------------------|----------|-----------------------------|-----------|------------------------------|----------|-----------------------|-----------------------|---------|---------------------------------------|----------------------|-----------------------|--|
| 1. POLLUTANT AND | | þ. | a. MAXIMUM DA | | b. MAXIMUM 30 (if availa | DAY VALUE | c. LONG TERM A (if availa | | | | | a. LONG T AVERAGE V | | | |
| CAS NO. (if available) | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSES | |
| g. Nitrogen, Total Organic (as M) | X | | 0.45 | 12000 | | | | | 1 | mg/l | lbs | < 0.10 | <2700 | 1 | |
| h. Oil and Grease | X | | < 10 | <270000 | | | | | 1 | mg/l | lbs | | | | |
| i. Phosphorus (as P), Total (7723-14-0) | | X | | | | | | | | |] | | | | |
| j. Radioactivity | | | | | | | | | | | | | | | |
| (1) Alpha, Total | \times | | (1) | | | | | | | | | | | | |
| (2) Beta, Total | \times | | (1) | · | | | | | | | | | | | |
| (3) Radium, Total | | \times | | | | | | | | | | | | | |
| (4) Radium 226, Total | | \times | | | · | | | | | | | · | | | |
| k. Sulfate (as SO ₄) (14808-79-8) | \times | | 1000 | 2.7E7 | | | | | 1 | mg/l | lbs | 930 | 2.5e7 | 1 | |
| I. Sutfide (as S) | | \times | | | | | | | | | | | | | |
| m. Sulfite { <i>us SO₃</i> } (14265-45-3) | | \mathbf{X} | | | | | | | | | | | | | |
| n. Surfactants | $ \times$ | | 0.062 | 1700 | | | | | 1 | mg LAS/L | lbs | | | | |
| o. Aluminum, Total (7429-90-5) | | X | | | | | | | | | | - | | | |
| p. Barium, Total (7440-39-3) | | X | | | | | | | | | | | | | |
| q. Boron, Total (7440-42-8) | X | | 1.5 | 41000 | - | | | | 1 | mg/l | lbs | | | | |
| r. Cobalt, Total (7440-48-4) | | X | | | | | | | | | | | | | |
| s. Iron, Total (7439-89-6) | | X | | | | | | | | , | | | | | |
| t. Magnesium, Total (7439-95-4) | | X | | | | | | | | | | | | | |
| u. Molybdenum, Total | + | X | · · | · · · | | | | | | + | | | | | |
| (7439-98-7) v. Manganese, Total | | $\frac{1}{\times}$ | | | | | | - | 1 | | | · · · · · · · · · · · · · · · · · · · | | | |
| (7439-96-5) w. Tin, Total (7440-31-6) | + | | - | | | | 1 | | | | | | | | |
| (7440-31-5) x. Titanium, Total | | | | <u> </u> | | <u> </u> | | | <u> </u> | <u> </u> | | | | | |
| (7440-32-6) EPA Form 3510 | 0-20 (8-90) | | 1 | L | <u> </u> | | | <u> </u> | l | 1 | | l <u>.</u> | | N PAGE V-3 | |
| (1) Th | e ra | alia | chue | comp | ment | of th | PAGE V-2 | lovige | is rec | ulatea | by | the U. | S. N | Inclear | |
| Requ | kiter | y C | mimissi | m, | | · | | | | | | | | | |

| | | | | E | PA I.D. NUM | BER (copy from Iten | n I of Form 1) | OUTFALL NUM | BER |] | | | | | |
|--|---|---|---|--|---|---|--|---|--|---|---|--|--|--|---|
| CONTINUED FROM | A PAGE 3 O | F FORM 2- | 0 | M | 0002399 | I | | 001 | | | | | | | |
| fraction fraction provide discharg pollutan briefly o | s that apply s), mark "X" the results ged in conce its which yo describe the | to your ind in column : of at least o entrations of u know or h | ustry and f 2-b for eac ne analysis 10 ppb or ave reason e pollutant | or ALL toxic meta h pollutant you kn s for that pollutant, greater, If you ma to believe that yo | ls, cyanides, ow or have r If you mark irk column 2b ou discharge | r, refer to Table 2c and total phenols. eason to believe is column 2b for any p for acrolein, acrylc in concentrations o Note that there ar | If you are no present. Ma pollutant, you pnitrile, 2,4 di f 100 ppb or | ot required to mark rk "X" in column 2- must provide the r nitrophenol, or 2-m greater. Otherwise | column 2- c for each esults of at ethyl-4, 6 d , for polluta | a (secondary pollutant you least one an linitrophenol, ints for which | industries, nor believe is abse alysis for that p you must provid you mark colu | process was ent, if you m ollutant if yo de the results mn 2b, you r | stewater outfalls, a ark column 2a for u know or have re s of at least one ar must either submit | and nonrequ any pollutar ason to belic nalysis for ea at least one | ired GC/MS nt, you must eve it will be ach of these analysis or |
| · · · · · · · · · | 1 | 2. MARK "X" | | | | 3. E | FFLUENT | | | | 4. UN | ITS | 5. INT. | AKE (option | <i>11</i>) |
| 1. POLLUTANT AND | a. | b. | C. | a. MAXIMUM DA | | b. MAXIMUM 30 ((if availat | | c. LONG TERM VALUE (if ave | | | | | a. LONG T AVERAGE | | |
| CAS NUMBER (if available) | | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| METALS, CYANID | E, AND TOT | TAL PHENO | LS | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | \mathbf{X} | | | <0.0050 | <140 | | | | | 1 | mg/L | lbs | | | |
| 2M. Arsenic, Total (7440-38-2) | X | | | <0.0020 | < 55 | | | | | 1 | mg/L | lbs | | | |
| 3M. Beryllium, Total (7440-41-7) | X | | _ | <0.0025 | < 68 | | | | | 1 | mg/L | lbs | | | |
| 4M. Cadmium, Total (7440-43-9) | X | | | <0.00050 | < 14 | | | | | 1 | mg/L | lbs | | | |
| 5M. Chromium, Total (7440-47-3) | \mathbf{X} | | | 0.0047 | 130 | | | | | 1 | mg/L | lbs | | | |
| 6M. Copper, Total (7440-50-8) | \times | | | 0.050 | 1400 - | | | | | 1 | mg/L | lbs | | | |
| 7M. Lead, Total (7439-92-1) | \mathbf{X} | | | <0.0020 | < 55 | | | | | 1 | mg/L | lbs | | | |
| 8M. Mercury, Total (7439-97-6) | \times | | | <0.00020 | < 5.5 | | | | | 1 | mg/L | lbs | | | |
| 9M. Nickel, Total (7440-02-0) | \times | | | 0.0082 | 220 | | | | | 1 | mg/L | lbs | | | |
| 10M. Selenium, Total (7782-49-2) | \mathbf{X} | | | 0.13 | 3600 | | | | | 1 | mg/L | lbs | | | |
| 11M. Silver, Total (7440-22-4) | \times | | | <0.0010 | < 27 | | | | | 1 | _mg/L | lbs | | | |
| 12M. Thallium, Total (7440-28-0) | \times | | | <0.0020 | < 55 | | | | | 1 | mg/L | lbs | | | |
| 13M. Zinc, Total (7440-66-6) | \times | | | 0.022 | 600 | | | | | 1 | mg/L | lbs | | | |
| 14M. Cyanide, Total (57-12-5) | X | | | 0.022 | 600 | | | | | 1 | mg/L | lbs | | | |
| 15M. Phenols, Total | X | | | 0.061 | 1700 | | | | | 1 | mg/L | lbs | | | |
| DIOXIN | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6) | | | | DESCRIBE RES | ULTS | | | | | | | | | | |
| EBA Eorm 3510 2/ | <u> </u> | | · · · | A | | | | E V.3 | | ···· | | | | | |

| | 2 | 2. MARK "X | » | 1 | , | 3. E | FFLUENT | | | | 4. UN | ITS | 5. INT/ | <i>xl</i>) | |
|--|---------------------|------------|----------|----------------------|-----------|--------------------------------|----------|-------------------------------|----------|--------------|-----------------------|---------|------------------------|-------------|---------------------------------------|
| 1. POLLUTANT AND | a. | b. | C, | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 ((if availal | | c. LONG TERM VALUE (if ava | | | | | a. LONG T AVERAGE \ | /ALUE | b. NO. O |
| CAS NUMBER (if available) | TESTING REQUIRED | PRESENT | BELIEVED | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSE |
| GC/MS FRACTION | I - VOLATIL | E COMPO | UNDS | | | | | ····· | | ··· | | | | | · · · · · · · · · · · · · · · · · · · |
| 1V. Accrolein (107-02-8) | \times | | | < 100 | < 2700 | | | | | 1 | ug/l | lbs | | | |
| 2V. Acrytonitrite (107-13-1) | $ \times$ | - | | < 100 | < 2700 | | | | | 1 | ug/L | lbs | | | |
| 3V. Benzene (71-43-2) | X | | | - < 5 | <140 | | | · | | 1 | ug/L | lbs | | | |
| 4V. Bis (Chloro- methyl) Ether (542-88-1) | | | } | N/R | | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 6V. Carbon Tetrachloride (56-23-5) | × | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 7V. Chlorobenzene (108-90-7) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 8V. Chlorodi- bromomethane (124-48-1) | X | | | < 5 | <140 | 7 | | | | .1 | ug/L | lbs | - | | |
| 9V. Chloroethane (75-00-3) | X | | | < 10 | <270 | | | • | | . 1 | ug/L | lbs | | | |
| 10V. 2-Chloro- ethylvinyl Ether (110-75-8) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 11V. Chloroform (67-66-3) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 12V. Dichloro- bromomethane (75-27-4) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 13V. Dichloro- difluoromethane (75-71-8) | \times | | | < 10 | <270 | | | | | 1 | ug/L | lbs | - | | |
| 14V. 1,1-Dichloro- ethane (75-34-3) | X | | | < 5 | <140 | | | | N | 1 | ug/L | lbs | | | |
| 15V. 1,2-Dichloro- ethane (107-06-2) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 16V. 1,1-Dichloro- ethylene (75-35-4) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 17V. 1,2-Dichloro- propane (78-87-5) | X | 1 | 1 | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 18V. 1,3-Dichloro- propylene (542-75-6) | X | | | · < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 19V. Ethylbenzene (100-41-4) | X | | | < 5 | <140 | | | | | 1 . | ug/L | lbs | | | |
| 20V. Methyl Bromide (74-83-9) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | - | | |
| 21V. Methyl Chloride (74-87-3) | X | | 1 | < 10 | < 270 | | | | | (<u>1</u> . | ug/L | lbs | | | |

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CONTINUE ON PAGE V-5

| | 2 | 2. MARK "X | | | | · · · · · · · · · · · · · · · · · · · | FFLUENT | | | | 4. UN | ITS | 5. INTA | KE (optiona | /) |
|---|---------------------|---------------------|-----------|----------------------|----------|---------------------------------------|----------|-------------------------------|----------|---------------------------------------|-----------------------|---------|------------------------|-------------|-----------|
| 1. POLLUTANT AND CAS NUMBER | a, | b. | с. | a. MAXIMUM DAI | LY VALUE | b. MAXIMUM 30 I (if availai | | c. LONG TERM VALUE (if ava | | | 00110511 | | a. LONG T AVERAGE V | | |
| (if available) | TESTING REQUIRED | BELIEVED PRESENT | ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | – VOLATIL | E COMPO | UNDS (con | tinued) | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 23V. 1,1,2,2- Tetrachloroethane (79-34-5) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 24V. Tetrachloro- ethylene (127-18-4) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 25V, Toluene (108-88-3) | \mathbf{X} | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 26V. 1,2-Trans- Dichloroethylene (156-60-5) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 27V. 1,1,1-Trichloro- ethane (71-55-6) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 28V. 1,1,2-Trichloro- ethane (79-00-5) | X | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | ···· | |
| 29V Trichloro- ethylene (79-01-6) | \times | | | < 5 | <140 | | | | | 1 | ug/L | lbs | | | |
| 30V. Trichloro- fluoromethane (75-69-4) | Х | | | < 10 | < 270 | | | | | 1 | ug/Ĺ | lbs | | | |
| 31V. Vinyl Chloride (75-01-4) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| GC/MS FRACTION | - ACID CC | MPOUNDS | 3 | | | | | <u> </u> | | · · · · · · · · · · · · · · · · · · · | | | · | , <u>·</u> | <u>-</u> |
| 1A. 2-Chlorophenol (95-57-8) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 2A. 2,4-Dichloro- phenol (120-83-2) | \mathbf{X} | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 3A. 2,4-Dimethyl- phenol (105-67-9) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 4A. 4,6-Dinitro-O- Cresol (534-52-1) | \times | | | < 52 | <1400 | | | | | 1 | ug/L | lbs | | | |
| 5A. 2,4-Dinitro- phenol (51-28-5) | \times | | | < 52 | <1400 | | | | | 1 | ug/L | lbs | | | |
| 6A. 2-Nitrophenol (88-75-5) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 52 | <1400 | | | | | 1 | ug/L | lbs | | | |
| 8A. P-Chloro-M- Cresol (59-50-7) | X | | | < 10 | <140 | | | | | 1 | ug/L | lbs | | | |
| 9A. Pentachloro- phenol (87-86-5) | X | | | < 52 | <1400 | | | | | 1 | ug/L | lbs | | | |
| 10A. Phenol (108-95-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 11A, 2,4,6-Trichloro- phenol (88-05-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |

| | 2 | 2. MARK "X" | | | | | FFLUENT | | | | 4. UN | ITS | | KE (optiona | u) |
|--|---------------------|---------------------|--------------------|----------------------|----------|--------------------------------|----------|-------------------------------|----------|-----------------------|-----------------------|---------|------------------------|-------------|-----------|
| | a. | b. | C. | a. MAXIMUM DAI | LY VALUE | b. MAXIMUM 30 [(if availal | | c, LONG TERM VALUE (if ava | | | 0011071 | | a. LONG T AVERAGE \ | | |
| CAS NUMBER (if available) | TESTING REQUIRED | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | - BASE/NE | EUTRAL CO | MPOUND | s | | | | | | | | _ | | | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | T |
| 2B. Acenaphtylene (208-96-8) | \times | | | < 10 | < 270 | | | | _ | 1 | ug/L | lbs | | | |
| 3B. Anthracene (120-12-7) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 4B. Benzidine (92-87-5) | \times | | | < 52 | <1400 | | | | | 1 | ug/L | lbs | | | |
| 5B. Benzo (<i>a</i>) Anthracene (56-55-3) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 6B. Benzo (a) Pyrene (50-32-8) | $ \times$ | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 7B. 3,4-Benzo- fluoranthene (205-99-2) | \times | | | < 10 | < 270 | | | | | . 1 | ug/L | lbs | | | |
| 8B. Benzo (ghi) Perylene (191-24-2) | X | | | < 10 | < 270 | | | - | | 1 | ug/L | lbs | | | |
| 9B. Benzo (k) Fluoranthene (207-08-9) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | - |
| 10B. Bis (2-Chloro- ethoxy) Methane (111-91-1) | \times | | | < 10 | < 270 | | | - | | 1 | ug/L | lbs | | | |
| 11B. Bis (2-Chloro- ethyl) Ether (111-44-4) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 12B. Bis (2- Chloroisopropyl) Ether (102-80-1) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7) | \times | | | 43 | 1200 | | | | | 1 | ug/L | lbs | | | |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | _ | - |
| 15B. Butyl Benzyl Phthalate (85-68-7) | X | | | < 10 | < 270 | , , | | | | 1 | ug/L | lbs | | | |
| 16B. 2-Chloro- naphthalene (91-58-7) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 18B. Chrysene (218-01-9) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 19B. Dibenzo (<i>a.h</i>) Anthracene (53-70-3) | X | | | < 10 | < 270 | - | | | | 1 | ug/L | lbs | | - <u>-</u> | |
| 20B. 1,2-Dichloro- benzene (95-50-1) | X | · · | | < 10 | < 270 | | | · | | 1 | ug/L | lbs | | | |
| 21B. 1,3-Di-chloro- benzene (541-73-1) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |

CONTINUED FROM THE FRONT

CONTINUE ON PAGE V-7

| CONTINUED FROM | | 2. MARK "X" | · | | | | FFLUENT | | | | 4. UN | ITS | 5. INTA | KE (optiona | |
|---|------------|---------------------|----------|----------------|------------|--------------------------------|-----------|-------------------------------|----------|-----------------------|-----------------------|---------|------------------------|-------------|-----------|
| 1. POLLUTANT AND | a. | | с. | a. MAXIMUM DAI | LY VALUE | b. MAXIMUM 30 ((if availal | DAY VALUE | c. LONG TERN VALUE (if ava | | | | | a. LONG T AVERAGE \ | ERM | |
| CAS NUMBER (if available) | TESTING | BELIEVED PRESENT | BELIEVED | | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | N – BASE/N | EUTRAL CO | OMPOUND | S (continued) | | | | <u> </u> | | | | | | | |
| 22B. 1,4-Dichloro- benzene (106-46-7) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 23B. 3,3-Dichloro- benzidine (91-94-1) | $ \times$ | | | < 21 | < 570 | | | | | 1 | ug/L | lbs | | | |
| 24B. Diethyl Phthalate (84-66-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 25B. Dimethyl Phthalate (131 -11-3) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 27B. 2,4-Dinitro- toluene (121-14-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 28B. 2,6-Dinitro- toluene (606-20-2) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | , | |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 32B. Fluorene (86-73-7) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 33B. Hexachloro- benzene (118-74-1) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 34B. Hexachloro- butadiene (87-68-3) | X | | | < 10 | , < 270 | | | | | 1 | ug/L | lbs | | | |
| 35B. Hexachtoro- cyclopentadiene (77-47-4) | X | | | < 10 | < 270 | , | | | | 1 | ug/L | lbs | | | |
| 36B Héxachloro- ethane (67-72-1) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 38B. Isophorone (78-59-1) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | _ | |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 40B. Nitrobenzene (98-95-3) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 41B. N-Nitro- sodimethylamine (62-75-9) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | · ···· ···· | |
| 42B. N-Nitrosodi- N-Propylamine (621-64-7) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |

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|--|---------------|----------------|----------|----------------------|----------|-------------------------|----------|----------------------|----------|-----------|------------|---------|----------------------|----------|-----------|
| 1. POLLUTANT | 2 | 2. MARK "X | | | | 3. E b. MAXIMUM 30 [| FFLUENT | c. LONG TERM | | r | 4. UN | 13 | a. LONG T | | <u>"</u> |
| AND CAS NUMBER | a. TESTING | b. BELIEVED | | a. MAXIMUM DAI | LY VALUE | (if availat | | VALUE (if ava | ilable) | d, NO. OF | a. CONCEN- | | AVERAGE V | | b. NO. OF |
| (if available) | REQUIRED | PRESENT | ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | ANALYSES | TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSES |
| GC/MS FRACTION | – BASE/NE | UTRAL CO | MPOUND | S (continued) | | | | - | | | | | | | |
| 43B. N-Nitro- sodiphenylamine (86-30-6) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 44B. Phenanthrene (85-01-8) | X | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | | | |
| 45B. Pyrene (129-00-0) | \times | | | < 10 | < 270 | - | | | | 1 | ug/L | lbs | | | |
| 46B. 1,2,4-Tri- chlorobenzene (120-82-1) | \times | | | < 10 | < 270 | | | | | 1 | ug/L | lbs | - | | |
| GC/MS FRACTIO | V - PESTIC | IDES | | | | | | | | | | | • | | · |
| 1P. Aldrin (309-00-2) | | | | N/R | | | | | | | | | | | |
| 2Ρ. α-BHC (319-84-6) | | | | | | | | | | | | | | | |
| 3P. β-BHC (319-85-7) | | | | | | | | | | | | | · . | | |
| 4P. γ-BHC (58-89-9) | | | | | | | | | | | | | | | |
| 5P. &-BHC (319-86-8) | | | | | , | | | | | | | | | | |
| 6P. Chlordane (57-74-9) | | | | | | | | | | | | | | | |
| 7P. 4,4'-DDT (50-29-3) | | | | | | | | | | | | | | | |
| 8P. 4,4'-DDE (72-55-9) | | | | | | | | | | | | | | | |
| 9P. 4,4'-DDD (72-54-8) | | | | ļ | L | | | | | | | | | | ļ |
| 10P. Dieldrin (60-57-1) | L | | | | | | | | | | | | | | |
| 11P. α-Enosulfan (115-29-7) | <u> </u> | ļ | | | | ļ | | | | | | | | | ļ |
| 12P. β-Endosulfan (115-29-7) | ļ | | <u> </u> | | | l | | ļ | | . | | | | | ļ |
| 13P. Endosulfan Sulfate (1031-07-8) | | | | | |) | | | | | | | | | |
| 14P. Endrin (72-20-8) | ļ | | | | | | | · | | | | | | | L |
| 15P. Endrin Aldehyde (7421-93-4) | | | | | | | | | | | | | | | |
| 16P. Heptachlor (76-44-8) | | | | | | | | | | | | | | · · · | |

PAGE V-8

CONTINUE ON PAGE V-9

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| | | | | Ì | EPA I | .D. NUMBE | R (copy from Item 1 o | of Form 1) | OUTFALL NUME | BER | 1 | | | | | |
|---|-------------|---------------------|----------|---|-----------------|-----------|--------------------------------|------------|--------------------------------|----------|----------|-----------------------|---------|-------------------------|-------------|-----------------------|
| CONTINUED FROM | M PAGE V-8 | 3 | | | | MI | D0002399 | | 00 | 1 | | | · | | | |
| | , 2 | 2. MARK "X | • | | | | 3. E | FFLUENT | | | d | . 4. UN | ITS | 5. INTA | KE (optiona | ı/) |
| 1. POLLUTANT AND | a. | b. | с. | | IMUM DA | ILY VALUE | b. MAXIMUM 30 [(if availal | | c. L'ONG TERN VALUE (if ava | | | | | a. LONG TI AVERAGE V | | |
| CAS NUMBER (if available) | REQUIRED | BELIEVED PRESENT | BELIEVED | | (1) NTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSES |
| GC/MS FRACTION | I - PESTICI | DES (contin | ued) | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | | N | /R | | | | | | | · | | | · | - |
| 18P. PCB-1242 (53469-21-9) | | | | | | | | | | | | | | | | |
| 19P. PCB-1254 (11097-69-1) | | | | | | | | | | | | | | | | |
| 20P. PCB-1221 (11104-28-2) | | | | | | | | | | | | | | | | |
| 21P. PCB-1232 (11141-16-5) | | | | | | | | | | | | | | | | |
| 22P. PCB-1248 (12672-29-6) | | | | | | | | | | - | | | | | | |
| 23P. PCB-1260 (11096-82-5) | | | | | | | | | | | | | | | | |
| 24P. PCB-1016 (12674-11-2) | | | | | | | | | | | | | | | | |
| 25P. Toxaphene (8001-35-2) | | | | | | | | | | | | | | | | |

PAGE V-9

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) MD0002399

| V. INTAKE AND EFF | LUENT CHARA | CTERIS | STICS (continu | ied from page 3 | 3 of Form 2-C) | | | | | | | | DUTFALL NO | |
|---|----------------------------|-----------|------------------------|--------------------|---|-----------------|----------------------------------|-----------------------|------------------|----------------------|---------------|--|-------------------------------|--------------------------------|
| PART A -You must p | rovide the resu | Its of at | least one analy | ysis for every p | ollutant in this table | e. Complete one | e table for each ou | utfall, See insti | ructions for add | litional details. | | | | |
| | | | | | 2. EFFLU | ENT | | | | 3. UN (specify if | | | I. INTAKE (optional) | |
| | | | ILY VALUE | (if a | 1 30 DAY VALUE vailable) | c. LON | G TERM AVRG. \ (if available) | ALUE | d. NO. OF | a. CONCEN- | | a. LONG 1 AVERAGE | | b. NO. OF |
| 1. POLLUTANT | (1) CONCENTR | ATION | (2) MASS | (1) CONCENTRATI | ON (2) MASS | (1) CONCE | NTRATION | (2) MASS | ANALYSES | TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSES |
| a. Biochemical Oxyg Demand (BOD) | en | | | | | . 7.: | 28 | 0.679 | 51 | mg/l | lbs | | | |
| b. Chemical Oxygen Demand (COD) | . < 1 | 0 | < 0.93 | | | | | | 1 | mg/l | lbs | | | |
| c, Total Organic Cart (<i>TOC</i>) | on 7.9 |) | 0.74 | | | | - | | 1 | mg/l | lbs | · | | |
| d, Total Suspended Solids (<i>TSS</i>) | - | | | * | | 4. | 04 | 0.377 | 51 | mg/l | lbs | | | |
| e. Ammonia (as N) | 1.8 | 3 | 0.17 | | | | | • | 1 | mg/l | lbs | | | |
| f. Flow | VALUE | , | | VALUE | | VALUE | 0.01118 | | 365 | MGD | | VALUE | | |
| g. Temperature (winter) | VALUE | | | VALUE | | VALUE | Ambient | - | | °C | | VALUE | | |
| h. Temperature (summer) | VALUE | | | VALUE | | VALUE | Ambient | | | °C | | VALUE | | |
| i. pH | MINIMUM 7.1 | 3 | MAXIMUM 7.8 | MINIMUM | MAXIMUM | | | | 1 | STANDAR | D UNITS | | | |
| directiv. | or indirectly bu | t expres | ssly, in an efficience | uent limitations | eason to believe is guideline, you mu lischarge. Complete | ist provide the | results of at least | t one analysis | for that pollut | ant. For other p | ollutants for | lumn 2a for any poll which you mark col | utant which is umn 2a, you | limited either must provide |
| | 2. MARK "X" | 1 | | | | . EFFLUENT | | | | 4.1 | JNITS | 5, IN | TAKE (option | al) |
| 1. POLLUTANT AND | a. b. | | | AILY VALUE | b. MAXIMUM 30 (if avail | | c. LONG TERM (if ava | AVRG. VALU ilable) | IE d. NO. O | F a. CONCE | | a. LONG TERM VALL | | b. NO. OF |
| CAS NO. BEL (if available) PR | IEVED BELIEV SENT ABSEN | | (1) NCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATIO | N (2) MASS | | | | S CONCENTRATIO | (2) MASS | ANALYSES |
| a. Bromide (24959-67-9) | | | | | | | | | | | | | | |
| b. Chlorine, Total Residual | | | <u>1</u> | | · | | | | | | | | | - |
| c. Color | | | | | | | | | | | | | | |
| d. Fecal Coliform | | | - | | | | | | | | | | | |
| e. Fluoride (16984-48-8) | | | | | | | | | | | | - | | |
| f. Nitrate-Nitrite (as N) | | | | | | | | | | | | | | |

EPA Form 3510-2C (8-90)

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.

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EPA I.D. NUMBER (copy from Item 1 of Form 1) MD0002399

| V. INTAKE AND EFFLU | ENT CHARACTERI | STICS (contin | ued from page 3 of | Form 2-C) | | · · · · | | | | | OUTFALL NO | |
|---------------------------------------|-----------------------|-----------------|-----------------------------|-------------------|---|---------------------|-------------------|----------------------|---------------|---|---------------------------------|--------------------------------|
| | | | | · · · · · · | _i | | · | | _ | | | |
| PART A -You must prov | ide the results of at | least one ana | lysis for every pollu | ant in this table | e. Complete one table for eac | h outfall. See inst | ructions for add | litional details. | | | | |
| | | | | 2. EFFLU | ENT | | | 3. UN (specify if | | 1 | 4. INTAKE (optional) | |
| | a. MAXIMUM DA | | b. MAXIMUM 30 (if availe | | c. LONG TERM AVR (if available | | d, NO. OF | a. CONCEN- | | a. LONG T AVERAGE | | b. NO. OF |
| 1. POLLUTANT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | ANALYSES | TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSES |
| a. Biochemical Oxygen Demand (BOD) | 7.2 | 16 | | | , | | 1 | mg/l | lbs | | | |
| b. Chemical Oxygen Demand (COD) | < 10 | < 23 | | | | - | 1 | mg/l | lbs | | | |
| c. Total Organic Carbon (TOC) | 1.5 | 3.4 | | | | | 1 | mg/l | lbs | | | |
| d. Total Suspended Solids (TSS) | | | | | 4.3 | 9.8 | 13 | mg/l | lbs | | | |
| e. Ammonia (as N) | 2.5 | 5.7 | | | | | 1 | mg/l | lbs | | | |
| f. Flow | VALUE | • | VALUE | ····· | VALUE 273000 | | 12 | gpd | | VALUE | <u> </u> | |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE ambient | | | °C | <u> </u> | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | | •C | | VALUE | <u> </u> | |
| i. pH | MINIMUM | MAXIMUM | MINIMUM 7.5 | MAXIMUM 8.6 | | | 12 | STANDARI | D UNITS | 1.2.2 | | |
| directly, or | indirectly but expre | ssly, in an eff | uent limitations gui | deline, you mu | present. Mark "X" in column ust provide the results of at I e one table for each outfall. S | east one analysis | s for that pollut | ant. For other p | ollutants for | blumn 2a for any pol which you mark co | lutant which is lumn 2a, you | limited either must provide |

| | 2. MAI | RK "X" | | | 3. | EFFLUENT | | | | 4. UNI | rs – | 5. INT | AKE (option | al) |
|--------------------------------|---------------------|--------------------|----------------------|----------|--------------------------|----------|-------------------------------|----------|-----------------------|-----------------------|---------|-----------------------|-------------|-----------------------|
| 1. POLLUTANT AND | а. | b, | a. MAXIMUM DA | | b. MAXIMUM 30 (if availa | | c. LONG TERM A (if availat | | - | 00110511 | | a. LONG TERM VALUE | | |
| CAS NO, (if available) | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSES |
| a. Bromide (24959-67-9) | | \times | | | | | | | | | | | | |
| b. Chlorine, Total Residual | | X | | | | | | | | | | | | |
| c. Color | | X | | | | | | | | | | | | |
| d. Fecal Coliform | | X | | | | | | | | | | | | |
| e. Fluoride (16984-48-8) | | X | | | | | | | | | | | | |
| f. Nitrate-Nitrite (as N) | | \times | | | | | | | | | | | í | |

EPA Form 3510-2C (8-90)

| ITEM V-B CONT | 2. MAI | | | | 3. | EFFLUENT | ····· | | | 4. UNI | rs | 5. INT | AKE (optiond | zl) |
|---|---------------------|--------------------|----------------------|-----------|-----------------------------|-----------|------------------------------|----------|-----------------------|-----------------------|---------|-------------------------|--------------|-----------|
| 1. POLLUTANT AND | a, | b, | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 (if availa | DAY VALUE | c. LONG TERM A (if availa | | | | | a. LONG T. AVERAGE V | ERM | b. NO. OF |
| CAS NO. (if available) | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSES |
| g. Nitrogen, Total Organic (<i>as</i> //) | | \times | | | | | | | | | | | | |
| h. Oil and Grease | \times | | | | 5.6 | 13 | 5.0 | | 13 | mg/l | lbs | | | |
| i. Phosphorus (as P), Total (7723-14-0) | | \times | | | | | | | | | | | | |
| j. Radioactivity | | | | | | | | | | | | | L | l |
| (1) Alpha, Total | | X | | | | | | | | | | | | |
| (2) Beta, Total | | X | | | | | | | | | | | | |
| (3) Radium; Total | | X | | | | | | | | | | | | |
| (4) Radium 226, Total | | X | | | | | | | | | | | | |
| k. Sulfate (as SO ₄) (14808-79-8) | | X | | | | | | | - | | | | | |
| I. Sulfide (as S) | | X | | | | | | | | | | | | |
| m. Sulfite (as SO ₃) (14265-45-3) | | X | | | | | | | | | | | | |
| n. Surfactants | | X | | | | | | - | | | | | | |
| o. Aluminum, Total (7429-90-5) | | X | | | | | | | | | | | | |
| p. Barium, Total (7440-39-3) | | X | | | | | | | | | | | | |
| q. Boron, Total (7440-42-8) | | ľΧ | | | | | | | | | | | | |
| r. Cobalt, Total (7440-48-4) | | X | | | | | | | | | | | | |
| s. Iron, Total (7439-89-6) | | X | | | | | | | | | | | | |
| t. Magnesium, Total (7439-95-4) | T | X | | | | | | | | | | | | Í |
| u. Molybdenum, Total (7439-98-7) | | X | | | | | | | | | | | | |
| v. Manganese, Total (7439-96-5) | | X | | | | | | | | | | | | |
| w. Tin, Total (7440-31-5) | | X | | | | | | | | | | | | |
| x. Titanium, Total (7440-32-6) | | X | | | | | | | | | | - | | |

CONTINUE ON PAGE V-3

| | | | | E | PA I.D. NUM | BER (copy from Iten | n I of Form 1) | OUTFALL NUM | BER | | | | ÷ | | |
|---|--|---|---|--|--|---|--|--|---|--|--|--|---|--|--|
| ONTINUED FRO | M PAGE 3 O | F FORM 2- | С | ME | 0002399 | | | MP102 | | | | | | | |
| fraction fraction provide discha polluta briefly | is that apply ps), mark "X" the results ged in conce nts which you | to your ind in column of at least o entrations of u know or h reasons th | ustry and f 2-b for eac ne analysis 10 ppb or ave reasor e pollutant | or ALL toxic metal h pollutant you kno s for that pollutant. greater. If you man h to believe that you | s, cyanides, ow or have r If you mark (rk column 2b u discharge | r, refer to Table 2c and total phenols. eason to believe is column 2b for any i for acrolein, acrylo in concentrations c Note that there as | If you are no present. Ma pollutant, you politrile, 2,4 di of 100 ppb or | ot required to mark rk "X" in column 2- must provide the in nitrophenol, or 2-m greater. Otherwise | column 2- c for each results of at ethyl-4, 6 d for polluta | a (secondary pollutant you least one and linitrophenol, y ants for which | industries, non believe is abse alysis for that p you must provid you mark colur | process was ent. If you m ollutant if yo le the results nn 2b, you r | stewater outfalls, a ark column 2a for u know or have rea s of at least one an nust either submit | nd nonrequ any pollutar ason to belic alysis for er at least one | ired GC/MS nt, you mus eve it will be ach of these analysis or |
| | 2 | MARK "X | | | | | FFLUENT | | | | 4. UN | ITS | | AKE (option | al) |
| 1. POLLUTANT AND | a. | b. | C. | a, MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 (if availa | | c. LONG TERN VALUE (if av | | | | | a. LONG T AVERAGE | | |
| CAS NUMBER (if available) | TESTING REQUIRED | BELIEVED PRESENT | ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OI ANALYSE |
| METALS, CYANIC | E, AND TOT | AL PHENO | LS | | · · · · · · · · · · · · · · · · · · · | | | ····· | · | | · | | | | |
| 1M. Antimony, Tota (7440-36-0) | ' X | | | < 0.0050 | <0.011 | | | | | 1 | mg/L | lbs | | | |
| 2M. Arsenic, Total (7440-38-2) | $ \times$ | | | < 0.50 | <1.1 | | | | | 1 | mg/L | lbs | | | |
| 3M. Beryllium, Tota (7440-41-7) | X | | | < 0.0025 | <0.006 | | | | | 1 | mg/L | lbs | | | |
| 4M. Cadmium, Tota (7440-43-9) | ' × | | | < 0.00050 | <0.001 | | | | | 1 | mg/L | lbs | | . e | |
| 5M. Chromium, Total (7440-47-3) | X | | | 0.0054 | 0.012 | | | | | 1 | mg/Ŀ | lbs | | | |
| 6M. Copper, Total (7440-50-8) | X | | | 0.63 | 1.4 | | | | | 1 | mg/L | lbs | | | |
| 7M. Lead, Total (7439-92-1) | X | | | 0.0066 | 0.015 | | | | | 1 | mg/L | lbs | | | |
| 8M. Mercury, Total (7439-97-6) | X | - | | < 0.00020 | <4E-4 | | | | | 1 | .mg/L | lbs | | | |
| 9M, Nickel, Total (7440-02-0) | X | | | 0.032 | 0.073 | | | | | 1 | mg/L | lbs | | | |
| 10M. Selenium, Total (7782-49-2) | X | | | 0.061 | 0.14 | | | | | 1 | mg/L | lbs | | | |
| 11M. Silver, Total (7440-22-4) | X | | | < 0.0010 | <0.002 | | | | | 1 | mg/L | lbs | | | |
| 12M. Thallium, Total (7440-28-0) | X | | | < 0.0020 | <0.004 | | | | | 1 | mg/L | lbs | | | |
| 13M. Zinc, Total (7440-66-6) | X | | | 0.032 | 0.073 | | | | | 1 | mg/L | lbs | • | | |
| 14M. Cyanide, Total (57-12-5) | X | | | 0.014 | 0.032 | 1 | | | | 1 | mg/L | lbs | | | |
| 15M. Phenols, Total | X | | | 0.046 | 0.10 | | | | | 1 | mg/L | lbs | | | |
| DIOXIN | | | | | | | | | | | | | | | |
| 2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6) | | | | DESCRIBE RES | ULTS | | | | | | | ; | | | |

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| CONTINUED FROM | | 2. MARK "X" | , | | | 3. E | FFLUENT | | | 4. UN | ITS | | KE (optiond | ıl) - |
|--|---------------------|---------------------|--------------------|----------------------|----------|--------------------------------|----------|-------------------------------|-----------|-----------------------|---------|------------------------|-------------|-----------|
| 1. POLLUTANT AND | a. | b, | C, | a. MAXIMUM DA | LY VALUE | b. MAXIMUM 30 [(if availab | | c. LONG TERN VALUE (if ava | | | | a. LONG T AVERAGE V | | |
| CAS NUMBER (if available) | TESTING REQUIRED | BELIEVED PRESENT | BELIEVED ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | d. NO. OF | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | I - VOLATIL | E COMPOL | JNDS | | | | | | | | | | | |
| 1V. Accrolein (107-02-8) | \mathbf{X} | | | < 100 | 230 | | | | 1 | ug/L | lbs | | | |
| 2V. Acrylonitrile (107-13-1) | X | | - | < 100 | 230 | | | | 1 | ug/L | lbs | | | |
| 3V. Benzene (71-43-2) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | - | | |
| 4V. Bis (Chloro- methyl) Ether (542-88-1) | | | | N/R | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 6V. Carbon Tetrachloride (56-23-5) | \times | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 7V. Chlorobenzene (108-90-7) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 8V. Chlorodi- bromomethane (124-48-1) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 9V. Chloroethane (75-00-3) | X | | | < 10 | <0.023 | | | | 1 | ug/L | lbs | | | |
| 10V. 2-Chloro- ethylvinÿl Ether (110-75-8) | X | | | < 5 | <0.011 | | | | 1 | ug/L · | lbs | | | |
| 11V. Chloroform (67-66-3) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 12V. Dichloro- bromomethane (75-27-4) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 13V. Dichloro- difluoromethane (75-71-8) | \times | | | < 10 | <0.023 | | | | 1 | ug/L | 'lbs | | | |
| 14V, 1,1-Dichloro- ethàne (75-34-3) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 15V. 1,2-Dichloro- ethane (107-06-2) | X | | | . < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 16V. 1,1-Dichloro- ethylene (75-35-4) | \times | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 17V. 1,2-Dichloro- propane (78-87-5) | X | | | < 5 | <0.011 | | | · | 1 | ug/L | lbs | | | |
| 18V. 1,3-Dichloro- propylene (542-75-6) | X | | | < 5 | <0.011 | | | | 1 | . ug/L | lbs | | | |
| 19V. Ethylbenzene (100-41-4) | X | | | < 5 | <0.011 | | | | 1 | ug/L | lbs | | | |
| 20V. Methyl Bromide (74-83-9) | X | | | < 10 | <0.023 | | | | 1 | ug/L | lbs | | | |
| 21V. Methyl Chloride (74-87-3) | X | | | < 10 | <0.023 | | | | 1 | ug/L | lbs | | | |

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| | 2 | MARK "X | • | | | | FFLUENT | | | | 4. UN | ITS | 5. INTA | KE (optiona | Ŋ |
|---|---------------------|----------|-----------|----------------------|-----------|-------------------------------|----------|-------------------------------|-------------|-----------------------|-----------------------|---------|------------------------|-------------|-----------|
| 1. POLLUTANT AND | а, | Ь. | C. | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 I (if availa | | c. LONG TERM VALUE (if ava | | | | | a. LONG T AVERAGE V | | |
| CAS NUMBER (if available) | TESTING REQUIRED | BELIEVED | ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | I – VOLATIL | E COMPO | UNDS (con | tinued) | | | | - | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | \times | | | < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 23V. 1,1,2,2- Tetrachloroethane (79-34-5) | \times | | | , < 5 | <0.011 | | | | | 1 | ug/L | lbs | | - | |
| 24V. Tetrachloro- ethylene (127-18-4) | \mathbf{X} | | | < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 25V. Toluene (108-88-3) | X | | | < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 26V. 1,2-Trans- Dichloroethylene (156-60-5) | \times | | | < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 27V. 1,1,1-Trichloro- ethane (71-55-6) | \times | | | < 5 | <0.011 | - | | | | 1 | ug/L | lbs | | | |
| 28V. 1,1,2-Trichloro- ethane (79-00-5) | X | | | · < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 29V Trichloro- ethylene (79-01-6) | X | | | < 5 | <0.011 | | | | | 1 | ug/L | lbs | | | |
| 30V. Trichloro- fluoromethane (75-69-4) | \times | | | < 10 | <0.023 | | | | | 1 | ug/L | lbs. | | | |
| 31V. Vinyl Chloride (75-01-4) | Х | | | < 10 | <0.023 | | | | | 1 | ug/L | lbs | | | |
| GC/MS FRACTION | ACID CC | MPOUNDS | 3 | | | •••••• | | | | | | | د <u>میں محمد م</u> لا | | La |
| 1A. 2-Chlorophenol (95-57-8) | \times | | | < 10 | <0.023 | | | | | 1 | ug/L | lbs | | | |
| 2A. 2,4-Dichloro- phenol (120-83-2) | X | | | < 10 | <0.023 | | | | _ | 1 | ug/L | lbs | | | |
| 3A. 2,4-Dimethyl- phenol (105-67-9) | ľΧ | - | | < 10 | <0.023 | | | А. | | 1 | ug/L | lbs | | | |
| 4A. 4,6-Dinitro-O- Cresol (534-52-1) | X | | | < 53 | <0.12 | | | | | 1 | ug/L | lbs | | | |
| 5A. 2,4-Dinitro- phenol (51-28-5) | X | | | < 53 | <0.12 | | | | | 1 | ug/L | lbs | | | |
| 6A. 2-Nitrophenol (88-75-5) | X | | | · < 10 | <0.023 | | | | | 1. | ug/L | lbs | | | |
| 7A. 4-Nitrophenol (100-02-7) | X | | | < 53 | <0.12 | | | | | 1 | ug/L | lbs | | | |
| 8A. P-Chloro-M- Cresol (59-50-7) | X | | | < 10 | <0.023 | | | | <u>.</u> | 1 | ug/L | lbs | | | |
| 9A. Pentachloro- phenol (87-86-5) | X | | 1 | < 53 | <0.12 | | | | | 1 | ug/L | lbs | | | |
| 10A. Phenol (108-95-2) | X | | | < 10 | <0.023 | 1 | | | · · · · · · | 1 | ug/L | lbs | | | |
| 11A. 2,4,6-Trichloro- phenol (88-05-2) | X | | | < 10 | <0.023 | | [| | | 1 | ug/L | lbs | | | |

| | 1 | 2. MARK "X" | • | | | | FFLUENT | | | | 4. UN | ITS | 5. INTA | AKE (optiona | 0 |
|--|----------|---------------------|----------|---------------------------------------|-----------|--------------------------------|-----------|-------------------------------|-----------|-----------------------|-----------------------|---------|------------------------|---------------------------------------|-----------|
| 1. POLLUTANT AND | a. | b, | L C | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 [(if availab | | c. LONG TERN VALUE (if ava | | | | | a. LONG T AVERAGE V | | |
| CAS NUMBER (if available) | TESTING | BELIEVED PRESENT | BELIEVED | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | | d, NO, OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | - BASE/N | EUTRAL CO | OMPOUND | · · · · · · · · · · · · · · · · · · · | | Concentration | (1) 10100 | Contectment | (2) 11/00 | 1 | | | CONCENTION | (2) 10/233 | |
| 1B. Acenaphthene (83-32-9) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 2B. Acenaphtylene (208-96-8) | X | | | < í0 | <0.023 | | | | | 1 | mg/L | lbs | | · · · · · · · · · · · · · · · · · · · | |
| 3B. Anthracene (120-12-7) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 4B. Benzidine (92-87-5) | \times | | l | < 53 | <0.12 | | | | | 1 | mg/L | lbs | | | |
| 5B. Benzo (a) Anthracene (56-55-3) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | - | | |
| 6B. Benzo (a) Pyrene (50-32-8) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 7B. 3,4-Benzo- fluoranthene (205-99-2) | \times | | _ | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 8B. Benzo (<i>ghi</i>) Perylene (191-24-2) | \times | - | | < 10 | <0,023 | | | | | 1 | mg/L | lbs | | | |
| 9B. Benzo (k) Fluoranthene (207-08-9) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 10B. Bis (2-Chloro- cthoxy) Methane (111-91-1) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 11B. Bis (2-Chloro- ethyl) Ether (111-44-4) | X | | | < 10 | <0.023 | | · | | _ | 1 | mg/L | lbs | | | |
| 12B. Bis (2- Chloroisopropyf) Ether (102-80-1) | \times | | | < 10 | <0.023 | 1 | | | | 1 | mg/L | lbs | | | |
| 13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7) | \times | | | 16 | 0.036 | | | | | 1 | mg/L | lbs | | | |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 15B. Butyl Benzyl Phthalate (85-68-7) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 16B. 2-Chloro- naphthalene (91-58-7) | \times | | | < 10 | <0.023 | | | | | - 1 | mg/L | lbs | | | - |
| 178. 4-Chloro- phenyl Phenyl Ether (7005-72-3) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 18B. Chrysene (218-01-9) | X | | | < 10 | <0.023 | 1 | | | | 1 | mg/L | lbs | | | |
| 19B. Dibenzo (a.h) Anthracene (53-70-3) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 20B. 1,2-Dichloro- benzene (95-50-1) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 21B. 1,3-Di-chloro- benzene (541-73-1) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |

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| CONTINUED FRO | | 2. MARK "X | | | | 3. E | FFLUENT | | | | 4. UN | ITS | 5. INTA | KE (optiona | lí) |
|--|---------------------|------------|--------------------|----------------------|-----------|--------------------------------|----------|-------------------------------|----------|-----------------------|-----------------------|---------|------------------------|-------------|----------------------|
| 1. POLLUTANT AND | a | b. | С. | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 [(if availal | | c. LONG TERN VALUE (if ava | | | | | a, LONG T AVERAGE V | | |
| CAS NUMBER (if available) | TESTING REQUIRED | PRESENT | BELIEVÉD ABSENT | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF ANALYSE |
| GC/MS FRACTIO | V - BASE/N | EUTRAL CO | OMPOUND | S (continued) | | | | | | | ····- | | | | |
| 22B. 1,4-Dichloro- benzene (106-46-7) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | · . | - | |
| 23B. 3,3-Dichloro- benzidine (91-94-1) | $ \times $ | | | < 21 | <0.047 | | | | | 1 | mg/L | lbs | | | |
| 24B. Diethyl Phthalate (84-66-2) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 25B. Dimethyl Phthalate (131 -11-3) | \times | | | < 10 | <0.023 | - | | | | 1 | mg/L | lbs | | - | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | Х | | | < 10 | <0.023 | | | | | . 1 | mg/L | lbs | | | |
| 27B. 2,4-Dinitro- toluene (121-14-2) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 28B. 2,6-Dinitro- toluene (606-20-2) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | • | |
| 29B. Di-N-Octyl Phthalate (117-84-0 | | | | < 10 | <0.023 | | | | | 1 | mĝ/L | lbs | | | |
| 30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7 |) X | | | < 10 | <0.023 | | | - | | 1 | mg/L | lbs | | | |
| 31B. Fluoranthene (206-44-0) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | • | |
| 32B. Fluorene (86-73-7) | \times | | | < 10 | <0.023 | | | | | . 1 | mg/L | lbs | | | |
| 33B. Hexachloro- benzene (118-74-1) | X | 1 | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 34B. Hexachloro- butadiene (87-68-3) | X | - | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 35B. Hexachloro- cyclopentadiene (77-47-4) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | · · | |
| 36B Hexachloro- elhane (67-72-1) | X | | | < 10 | <0.023 | 2 | | | | 1 | mg/L | lbs | | | |
| 37B. Indeno (1,2,3-co) Pyrene (193-39-5) | X | | . , | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 38B. Isophorone (78-59-1) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 39B. Naphthalene (91-20-3) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 40B. Nitrobenzene (98-95-3) | $ \times $ | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 41B. N-Nitro- sodimethylamine (62-75-9) | X | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 42B. N-Nitrosodi- N-Propylamine (621-64-7) | X | | | · < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |

PAGE V-7

| | 2 | . MARK "X | | | | | FFLUENT | | | | 4. UN | ITS | 5. INTA | AKE (optiona | 1) |
|--|---------------------|-----------|--------|----------------|----------|------------------------------|----------|---------------------------------------|----------|-----------------------|-----------------------|---------|------------------------|--------------|-----------|
| 1. POLLUTANT AND CAS NUMBER | a. | b. · | C. | a. MAXIMUM DAI | LY VALUE | b. MAXIMUM 30 (if availai | | c. LONG TERN VALUE (if ava | ulahle) | | 0.0110.511 | | a. LONG T AVERAGE V | ERM | |
| (if available) | TESTING REQUIRED | | ABSENT | CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. OF ANALYSES | a. CONCEN- TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | - BASE/NE | UTRAL CO | MPOUND | S (continued) | | | | | | | | | | | |
| 43B. N-Nitro- sodiphenylamine (86-30-6) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | ŕ |
| 44B. Phenanthrene (85-01-8) | Х | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 45B. Pyrene (129-00-0) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| 46B. 1,2,4-Tri- chlorobenzene (120-82-1) | \times | | | < 10 | <0.023 | | | | | 1 | mg/L | lbs | | | |
| GC/MS FRACTION | I - PESTICI | DES | | | | | · | · · · · · · · · · · · · · · · · · · · | | · | · | | | | <u> </u> |
| 1P. Aldrin (309-00-2) | | | | N/R | - | | | | | | | | | | |
| 2P. α-BHC (319-84-6) | | | | | | | | | | | | | | <u> </u> | |
| 3Ρ. β-BHC (319-85-7) | | | | | - | | | .] | | | | | | | |
| 4P. γ-BHC (58-89-9) | | | | | | | | | | - | | | | | |
| 5P. δ-BHC (319-86-8) | | | | | | | | | | | • | · . | | | |
| 6P. Chlordane (57-74-9) | | | | | | | | | | | | | | | |
| 7P. 4,4'-DDT (50-29-3) | - | | | | | | | | | | | | • | | |
| 8P. 4,4'-DDE (72-55-9) | | | | | | | | | | | | | | | |
| 9P. 4,4'-DDD (72-54-8) | | | | | | | | | | | | | | | |
| 10P. Dieldrin (60-57-1) | | | | | | | | | | | | | | | |
| .11Ρ. α-Enosulfan (115-29-7) | ļ | | | | | | | | | | | | | | |
| 12P. β-Endosulfan (115-29-7) | L | | | ļ | | | | | · | | | | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | | | | | | | | | | | | | |
| 14P. Endrin (72-20-8) | | | | | | | | | | | | | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | [| | | | | | | | | | | | |
| 16P. Heptachlor (76-44-8) | | | | | | | | | | | | | | | |

CONTINUE ON PAGE V-9

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| | | | | EPA | I.D. NUMBE | R (copy from Item 1 | of Form 1) | OUTFALL NUM | BER | | | | | | |
|---|-------------|---------------------|------|----------------------|------------|-------------------------------|------------|-------------------------------|----------|----------|--------------------------------------|---------|------------------------|-------------|-----------|
| CONTINUED FRO | M PAGE V-8 | 3 | | } | MI | 0002399 | | MP | 102 | | | | | ÷ | |
| | 2 | 2. MARK "X" | | · · | | 3. E | FFLUENT | | | | 4. UN | ITS | 5. INTA | KE (optiona | ı) |
| 1. POLLUTANT AND | a. | b. | C. | a. MAXIMUM DA | ILY VALUE | b. MAXIMUM 30 ((if availa | | c. LONG TERN VALUE (if ava | | 4 NO. 05 | | | a. LONG T AVERAGE V | | |
| | | BELIEVED PRESENT | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | ANALYSES | NO. OF a. CONCEN- IALYSES TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | b. NO. OF |
| GC/MS FRACTION | I – PESTICI | DES (contin | ued) | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | | | | | | | | | | | | | |
| 18P. PCB-1242 (53469-21-9) | | | Х | | | | | | | | | | | | |
| 19P. PCB-1254 (11097-69-1) | | | | | | | · | | | , | | | - | | |
| 20P. PCB-1221 (11104-28-2) | | | | | | ~ | | | | | - | | | | |
| 21P. PCB-1232 (11141-16-5) | | | | | | | | | | | | | | | |
| 22P. PCB-1248 (12672-29-6) | | | | | | | | | | | | | | | |
| 23P. PCB-1260 (11096-82-5) | | | | | | | | | | |) | | | | , |
| 24P. PCB-1016 (12674-11-2) | | | | | | | | | | | | | | | |
| 25P. Toxaphene (8001-35-2) | | | | | - | | | | | | | | | 1 | |

PAGE V-9

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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 formal) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1) MD0002399

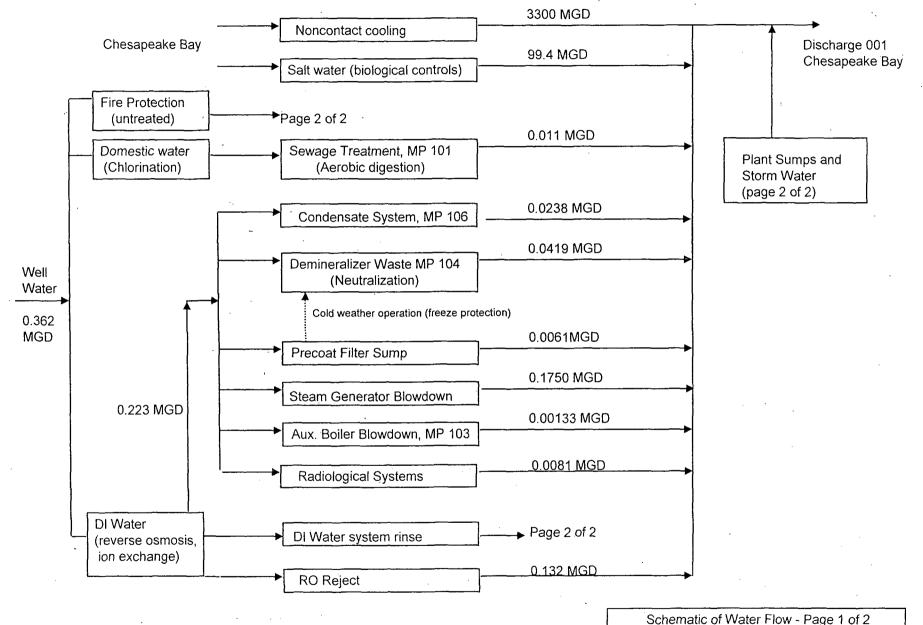
| SEE INSTRUCTIONS. | | | | | | | _ | | | | | | |
|---|--------------------|-------------------|---------------------|--|-----------------|----------------------------------|----------------|---------------------|-------------------|---|--|---------------------------------|--------------------------------|
| V. INTAKE AND EFF | UENT CHARAC | TERISTICS (co | nlinued from page | e 3 of Form 2-C) | | | | | | | | OUTFALL NO | |
| PART AYou must p | rovide the results | of at least one | analysis for every | pollutant in this table | e. Complete on | e table for each ou | fall. See inst | ructions for add | litional details. | | | | |
| | | | | 2. EFFLU | | | | · | | 3. UNITS 4. INTAKE (specify if blank) (optional) | | | |
| | | M DAILY VALU | E (if | M 30 DAY VALUE available) | c. LON | G TERM AVRG. V (if available) | ALUE | d. NO, OF | a. CONCEN- | | a. LONG , AVERAGE | VALUE | b. NO. OF |
| 1. POLLUTANT | (1) CONCENTRA | TION (2) MAS | (1) SCONCENTRA | TION (2) MASS | (1) CONCE | NTRATION | (2) MASS | ANALYSES | TRATION | b. MASS | (1) CONCENTRATION | (2) MASS | ANALYSES |
| a. Biochemical Oxyge Demand (BOD) | ⁿ < 2.0 | < 0.7 | 0 | | | | | 1 | mg/l | lbs | | | |
| b. Chemical Oxygen Demand (COD) | < 10 | < 3. | 5 | | | | | 1 | mg/l | lbs | | | |
| c. Total Organic Cart (TOC) | on 3.5 | 1.2 | | | | | | ı | mg/l | lbs | | | |
| d. Total Suspended Solids (TSS) | | | | | 2. | 8 | 1.0 | 12 , | mg/l | lbs | _ | | |
| e. Ammonia (as N) | 2.7 | 0.94 | Ł | | | | | 1 | mg/l | lbs | | | |
| f. Flow | VALUE | | VALUE | | VALUE | 41865 | - | 80 | gpd | | VALUE | | , |
| g. Temperature (winter) | VALUE | | VALUE | | VALUE | ambient | | | °C | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | ambient | | | • • C | | VALÜE | | |
| i. pH | MINIMUM | MAXIMU | M MINIMUM 6.0 | MAXIMUM 8.9 | | | | 90 | STANDARI | D UNITS | | | |
| PART 8 – Mark "X" directly, quantitat | or indirectly but | expressly, in an | effluent limitation | reason to believe is is guideline, you mu discharge. Complet | ist provide the | results of at least | one analysis | for that pollut | ant. For other p | ollutants for | lumn 2a for any pol which you mark co | lutant which is lumn 2a, you | limited either must provide |
| | 2. MARK *X" | 1 | | | 3. EFFLUENT | | | | | JNITS | 5. IN | ITAKE (option | al) |
| 1. POLLUTANT | a, b, | a. MAXIMU | M DAILY VALUE | b. MAXIMUM 30 (if avail | | c, LONG TERM (if avai | | 1 | | | a. LONG TERM VAL | | |
| | EVED BELIEVED | (1) CONCENTRAT | ION (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | d. NO. O ANALYSE | | | (1) S CONCENTRATIO | N (2) MASS | b. NO. OF ANALYSES |
| a. Bromide (24959-67-9) | | | | | | | | | | | | | |
| b. Chlorine, Total Residual | | | | | | | | | | | | | |
| c. Color | | | | | | | | | | | | | |
| d. Fecal Coliform | | | | | | | | | | | | | |
| e. Fluoride (16984-48-8) | | | | | | | | | | | , | | |
| f. Nitrate-Nitrite (as N) | | | | | | | | | | | | | |

EPA Form 3510-2C (8-90)

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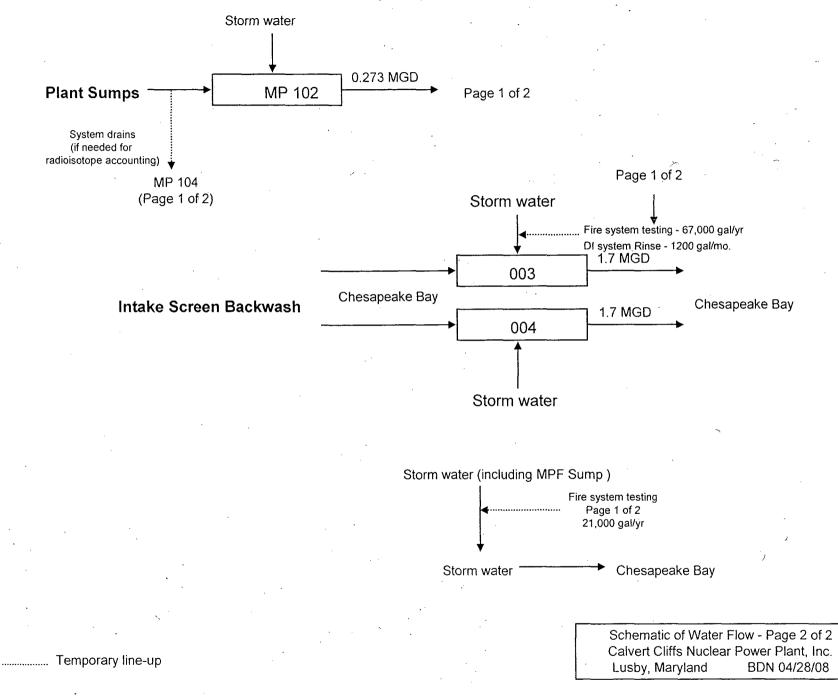
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e



...... Temporary line-up

Schematic of Water Flow - Page 1 of 2 Calvert Cliffs Nuclear Power Plant, Inc. Lusby, Maryland BDN 04/28/08



ENCLOSURE (3)

CERTIFICATE OF WORKER'S COMPENSATION INSURANCE

COVERAGE (1 PAGE)

Calvert Cliffs Nuclear Power Plant, Inc. May 29, 2008

| Associated Electric & Gas Insurance Services Limited Invacionarias Plaza East Ruheford, NJ 07073 ubin the Certificate Index, This Certificate does not amond, astend or aller the coverage afforded by the policies below. SURED Company Company Associated Electric & Gas Ins Svcs Ltd SURED Concerts Company Associated Electric & Gas Ins Svcs Ltd Company Associated Electric & Gas Ins Svcs Ltd A Company Company Company Exerificate Internet name here in for the policy period indicate. Notwithstanding and exclusions of aum polices. Limits shown may have been reduced by paid daims. Company Exerificate Machine in the policy period indicate. Notwithstanding in the polices below. | Attocide Electric & Case Issurance Services Limited I Maccoling Plaza East Rulented, NJ 97/73 upon the Certificate Holder: The Certificate cores not amend, extend or aller the Company Associated Electric & Gas ins Svos Lid SURED Concentry Rollinons, MD 21622 Company B B Company B Company Company Company Company Company Company Company The Is to certify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithsholing any requirement, term or condition and company Company | <u>ACORD</u> ,,, | CERTIFI | CATE OF | INSURANCE | ISSUE DATE 04/23/2008 |
|---|--|--|--|---|---|--|
| East Ruhenford, NJ 07073 COMPANIES AFFORDING COVERACE Company | East Ruherkord, NJ 07073 COMPANIES AFFORDING COVERAGE Company Associated Electric & Gas. Ins Sives Ltd Cathert Cliffs Muckes Power Plant ob Constellation Energy Group. Company 20 Cometany freacontenerge attraction of the countener sequestof the co | Associated Electric & Gas Insurance | Services Limited | upon the Certificate | Holder. This Certificate does not amend. | onfers no rights extend or alter the |
| SURED Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Group, Calvet Glifs Nuclear Power Plant do Constellation Energy Glifs Nuclear Plant Glifs Nuclear Plant Plan | NURLED A Canver CBMS Nuclear Power Plant clo Constellation Energy Group. Inc. Company 780 East Prof. Stored. Company Company < | East Rutherford, NJ 07073 | | | COMPANIES AFFORDING COVERAG | GE |
| Calver Clifs huckes Power Plant do Constellation Energy Group. Inc. 780 East Part Stred. 15h Floor Ballmore, MD 21202 This is to cartify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of contract or other document with respect to which this cartificate may be issued or may period indicated. Notwithstanding any requirement, term or conflion of outperiod indicated. Notwithstanding any requirement, term or conflion of a contract or other document with respect to which this cartificate may be issued or may period. Indicated. Notwithstanding any requirement, term or conflion of a document with respect to which this cartificate may be issued or may period. Indicated. Notwithstanding any requirement, term or conflion of a document with respect to which this cartificate may be issued or may period. Indicated Notwith and the set of the document of the document of the set of the docume | Calver Cliffs Nuclear Power Plant do Constellation Energy Group. Company Comp | | | Company _{Asso} | ciated Electric & Gas Ins Svcs Ltd | · · · · · · |
| Inc. 20 East Prat Street, 16th Floor Baltimore, MD 21202 Company Comp | Inc. St. Balt Part Street, 19th Poor Baltimore, MD 21202 Company C | | o Constellation Energy Group. | | | |
| D Company E Company E Company E This is to certify that the policies of insurance described herein have been issued to the insured named herein for the policy period indicated. Notwithstanding any requirement, the insurance afforded by paid claims. Precommend General Lability FOLICY NUMBER EFFECTIVE LIMITS OF LABILITY Command General Lability EXCH OCCURRENCE \$ Command General Lability FACH OCCURRENCE \$ Command General Lability FIRE DAMAGE \$ Command General Lability FIRE DAMAGE \$ Command General Lability FIRE DAMAGE \$ Command General Lability General Lability \$ Command General Lability Command General Lability \$ Contraction of Machine Sectore \$ \$ General Lability Command General Lability \$ General Lability Command General Lability \$ <tr< td=""><td>Company E Company E</td><td>750 East Pratt Street, 16th Floor</td><td></td><td></td><td></td><td></td></tr<> | Company E | 750 East Pratt Street, 16th Floor | | | | |
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| any requirement, term or condition of contract or other document with respect to which this certificate may be laued or may pertain, the insurance afforded by the police distributions and exclusions of such policies. Limits shown may have been reduced by paid claims. O TYPE OF INSURANCE POLICY NUMBER EFFECTIVE Limits shown may have been reduced by paid claims. GENERAL LIABILITY EACH OCCURRENCE \$ \$ General Linking EXPRATION EACH OCCURRENCE \$ Owners and General Linking FIRE DAMAGE \$ \$ Owners and General Linking EACH OCCURRENCE \$ \$ Owners and General Linking ERTER DAMAGE \$ \$ Owners and General Linking E EACH OCCURRENCE \$ Owners and General Linking E EACH OCCURRENCE \$ Owners and General Linking E EACH OCCURRENCE \$ Owners and Contractors Protection \$ \$ \$ Owners and Contractors Protection \$ \$ \$ Owners and Contractors Protection \$ \$ \$ Ar Automotile BODILY INURY (Instruct of the Environment Set Contractorset of the Environment Set Contract | any requirement, term or condition of contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies devices of advances of policy. Initial shown may have been reduced by paid claims. | | | Company | | |
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| | Page 1 of 1 Certificate ID # 10S5Q6F0 | Baltimore, MD 21230 | | | | |

ENCLOSURE (4)

GENERAL PERMIT FOR STORM WATER DISCHARGES (4 PAGES)

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MARYLAND DEPARTMENT OF THE ENVIRONMENT 1800 Washington Blvd. ● Baltimore Maryland 21230 (410) 537-3000 ● 1-800-633-6101 ● http://www.mde.state.md.us

WASTEWATER PERMITS PROGRAM

GENERAL PERMIT FOR STORM WATER DISCHARGES

GENERAL PERMIT NO. 02-SW

Submission of this Notice of Intent (NOI) constitutes notice that the party identified in Section I of this form intends to be authorized by a State/NPDES permit issued for storm water discharges from the facility identified in Section II of this form. Authorization to discharge begins upon notification of acceptance of this NOI by Maryland Department of the Environment (MDE). Complete all sections of this form and mail to MDE, P.O. Box 2057, Baltimore, MD 21203. Phone (410) 537-3634. The NOI is not complete without fee payment (State and local government exempt), a map, and this form. An original signature is required on page 3.

SECTION I. FACILITY OPERATOR

| Name (Legal name of entity): Calv | vert Cliffs Nuclear Power Plant, | Inc. |
|--|-------------------------------------|-------------------|
| Mailing Address: 1650 Calvert Cliff | fs Parkway | |
| City: Lusby | State: MD | ZIP: <u>20657</u> |
| Contact Person: Douglas R. Baude | er Telephone | (410) 495-5205 |
| Type of Operator: Private $_$ | FederalState/I | ocal |
| Federal Tax Identification Number: | 52-2217-429 | |
| Worker's Compensation Insurance | Policy or binder number: <u>CO2</u> | 08A1A07 |
| Insurance Company Associated El | ectric & Gas Ins. Svcs. Ltd. | |
| If facility was registered under 97S | N, enter registration number _ | ¥ |
| Is this facility currently covered und | er other NPDES permits? $_ $ | Yes No |
| If yes, provide the permit number of | r registration number for other | permits. |
| 02-DP-0187 MD00 | 002399 | |

Form Number: MDE/WMA/PER.004

Revision Date: May 29, 2003 TTY Users 1-800-735-2258

| SECTION II. FACILITY LOCATION INFORMATION |
|---|
| Facility Name: Calvert Cliffs Nuclear Power Plant, Inc. |
| Mailing Address: <u>1650 Calvert Cliffs Parkway</u> |
| City: Lusby County: Calvert State: MD ZIP: 20657 |
| The approximate center of the facility to the nearest 15 seconds: |
| Latitude: <u>38 25 50</u> Longitude: <u>76 26 40</u> |
| Name of Receiving Water(s): <u>Chesapeake Bay</u> |
| If the discharge is to a municipal separate storm sewer, give the name of the municipal operator of the storm sewer and the ultimate receiving water(s): <u>N/A</u> |
| *Concurrent submission of a signed copy of the NOI to the above entity is required. Please see the end of this form for mailing addresses. |
| Estimated area of industrial activity at facility in acres: <u>300</u> |
| Give one four-digit SIC code that best represents the principal products or activities provided by the facility: <u>4911</u> |
| Written description of industrial activity taking place <u>Nuclear Powered Steam – electric</u> power plant |
| Is storm water quality data available? YesNo_If yes, attach a summary of data. |
| SECTION III. REQUIRED NOI FEE |
| Required NOI fee - Check one: |
| A. Standard Fee: \$550 single fee payable in advance or annual \$120 payments beginning with the submission of the NOI application and every July 1 thereafter beginning 2003 (total fee of \$600). |
| Enclosed is the full payment of \$550. |
| Enclosed is the first payment of \$ 120. |

B. Check if State or local government _____ (no fee). No fee required per e-mail from John McGillen, May 7, 2008.

Form Number: MDE/WMA/PER.004

Revision Date: May 29, 2003 TTY Users 1-800-735-2258

C. Fee for facilities beginning operation after December 2002:

1. Month and year facility began operating:

2. Number of months between 12-1-02 and above date:

3. Enclosed is

____ Full payment of the prorated fee of \$ _____, calculated as follows (to the nearest dollar):

 $550 - [(9) \times (no. of months listed above)] = fee.$

First payment of \$120. (Your next annual payment will be prorated by MDE.)

SECTION IV. CERTIFICATION

TTY Users 1-800-735-2258

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.

| Print Name: James A. S | pina | | |
|--|-----------------------|-----------------------------------|----------------|
| Title: <u>Vice President</u> Signature: | 6/4 | Date: _/ | 127/25 |
| | SIGNATURE, FEE | , and MAP REQUIRED | |
| For proper credit, do not re | eturn application fee | e without this form completed. | |
| Mail to Maryland Departm | ent of the Environm | ent, P.O. Box 2057, Baltimore, MD |) 21203-2057 |
| For MDE use: | | | |
| Facility # | _Receipt # | Date | N |
| PCA 13710 Object 5707 | Suffix 406 | | |
| | | | |
| Form Number: MDE/WMA/PER | .004 | | Page 3 of 4 |
| Revision Date: May 29, 2003 | | | Recycled Paper |

Facilities which discharge storm water associated with industrial activity to the municipal separate storm sewer system of the Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Charles County, Frederick County, Harford County, Howard County, Montgomery County, Prince George's County, or the State Highways Administration shall, in addition to filing copies of this NOI, submit, concurrently, signed copies of the NOI to the operator of the municipal separate storm sewer to which they discharge. NOIs shall be submitted to the attention of the "storm water coordinator" at the following addresses.

<u>Anne Arundel County</u> – Richard Olson, Department of Public Works, Bureau of Highways, Infrastructure Management Division, MS#3223, 1 Harry S. Truman Parkway, Annapolis, MD 21401 (410-222-7973)

<u>Baltimore City</u> – William Stack, Water Quality Management, City of Baltimore, 3001 Druid Park Drive, Baltimore, MD 21215 (410-396-0732)

<u>Baltimore County</u> – Steve Stewart, NPDES Storm Water Program, Department of Environmental Protection and Resource Management, 401 Bosley Avenue, Suite 416, Towson, MD 21204 (410887-4488)

<u>Carroll County</u> – Jim Slater, Department of Public Works, 225 North Center Street, Westminster, MD 21157-5194 (410-386-2035)

<u>Charles County</u> – Karen Wiggen, Planning & Growth Management, Development Services, Post Office Box 2150, La Plata, MD 20646 (301-645-0683)

<u>Frederick County</u> – Shannon Moore, Department of Public Works, 118 N. Market Street, Frederick, MD 21701 (410-694-1413)

<u>Harford County</u> – Christine Buckley, Bureau of Water Resources Engineering, Department of Public Works, 220 South Main Street, Bel Air, MD 21014 (410-638-3545)

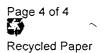
<u>Howard County</u> – Howard Saltzman, Department of Public Works, Stormwater Management Division, 6751 Columbia Gateway Drive #514, Columbia, MD 21046 (410-313-6416)

<u>Montgomery County</u> – Cameron Wiegand, Department of Environmental Protection, Watershed Management Division, 255 Rockville Pike, Suite 120, Rockville, MD 20850 (240-777-7736)

Prince George's County – Larry Coffman, Programs and Planning Division, Department of Environmental Resources, 9400 Peppercorn Place, Sixth Floor, Largo, MD 20774 (301-883-5836)

<u>State Highway Administration</u> – Sonal Sanghavi, Highway Hydraulics Division, Maryland State Highway Administration, 707 North Calvert Street, Baltimore, MD 21202 (410-545-8414)

Form Number: MDE/WMA/PER.004 Revision Date: May 29, 2003 TTY Users 1-800-735-2258



ENCLOSURE (5)

WASTEWATER DISCHARGE PERMIT APPLICATION SUPPLEMENT:

INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION

(2 PAGES)

1800 Washington Blvd. ● Baltimore Maryland 21230 (410) 537-3000 ● 1-800-633-6101 ● http://www.mde.state.md.us

WASTEWATER DISCHARGE PERMIT APPLICATION SUPPLEMENT: <u>INDUSTRIAL WASTEWATER TREATMENT PLANT CLASSIFICATION</u>

[1] Name of facility: <u>Calvert Cliffs Nuclear Power Plant</u>, Inc.

[2] Current State Discharge Permit Number (for renewals only): <u>02-DP-0187</u>

[3] What is the current classification of your industrial wastewater treatment system? *Please* refer to the attached table (<u>Table 1</u>, <u>Classification Of Industrial Wastewater Treatment</u> <u>Plants</u>) and indicate the numeric classification as described in the table.

CLASSIFICATION: _1_

[4] What type of treatment system, as referenced in *Table 1*, best describes your wastewater treatment system?

TYPE OF TREATMENT SYSTEM: pH Control

[5] If your industrial wastewater operator or superintendent is certified, what is the classification? (See the certified operator's certificate).

OPERATOR CERTIFICATION: Industrial Waste Water - Class 1

OR, If you believe that your process is one of the exempted facilities, see the attached table (<u>Table 2</u>, <u>Facilities Not Required To Have Certified Operators</u>), please check the following box:

[] Certified Operator Not Needed

Form Number: MDE/WMA/PER.064

Revision Date: March 8, 1999 TTY Users 1-800-735-2258 Page 1 of 2

INDUSTRIAL WASTE WATER TREATMENT PLANT CLASSIFICATION

Table 1

CLASSIFICATION OF INDUSTRIAL WASTEWATER TREATMENT PLANTS

| Class of Plants | Type of Treatment Systems | Typical Processes Included in the System |
|--------------------|--------------------------------|--|
| 1 | Basic Treatment | Petroleum base oil separators, liquid cooling and pH control. |
| 2 | Physical Treatment | Sedimentation, screening, pH control and solids removal. |
| 3 | Land Treatment | Primary treatment, sedimentation, solids removal, pumping and land treatment. |
| 4 | Biological Lagoons | Aerobic or anaerobic waste stabilization lagoons, disinfection and chemical addition. |
| 5 | Activated Sludge | Primary treatment, sedimentation, activated sludge and sludge handling. |
| 6 | Physical Chemical Treatment | Reduction of chemical and toxic substances including but not limited to cyanide and chromium, acid-alkali neutralization, coagulation and flocculation. |
| 7 | Site Specific | Plants not covered under the first six types of treatment yet covered under these regulations. |

Table 2

FACILITIES NOT REQUIRED TO HAVE CERTIFIED OPERATORS

Note: Generally speaking, the following categories of facilities are <u>not</u> required by the Code of Maryland Regulations (COMAR) to have certified operators:

- Petroleum storage and distribution facilities
- Seafood processors
- Vehicle washing facilities
- Vehicle maintenance facilities
- Sand and gravel facilities
- Stone quarries
- Industries de-chlorinating supply water as their only treatment
- Industries discharging only storm water runoff
- Industries performing tank or pipe hydrostatic testing

Form Number: MDE/WMA/PER.064

Revision Date: March 8, 1999 TTY Users 1-800-735-2258

