

## Tronox LLC, Columbus

### General Information

| ID   | Branch   | SIC  | County  | Basin           | Start      | End |
|------|----------|------|---------|-----------------|------------|-----|
| 1696 | Chemical | 2491 | Lowndes | Tombigbee River | 10/27/1992 |     |

### Address

| Physical Address (Primary)                   | Mailing Address                              |
|----------------------------------------------|----------------------------------------------|
| 2300 14th Avenue North<br>Columbus, MS 39701 | PO Box 268859<br>Oklahoma City, OK 731268859 |

### Telecommunications

| Type              | Address or Phone |
|-------------------|------------------|
| Work phone number | (405) 775-5129   |

### Alternate / Historic AI Identifiers

| Alt ID       | Alt Name                                  | Alt Type                      | Start Date | End Date   |
|--------------|-------------------------------------------|-------------------------------|------------|------------|
| 2808700020   | Tronox LLC, Columbus                      | Air-AIRS AFS                  | 10/12/2000 | 06/01/2002 |
| 168000020    | Kerr McGee Chemical Corporation, Columbus | Air-Construction              | 06/12/1998 |            |
| 168000020    | Kerr McGee Chemical Corporation, Columbus | Air-Synthetic Minor Operating | 06/06/1997 | 06/01/2002 |
| 168000020    | Kerr McGee Chemical Corporation, Columbus | Air-Synthetic Minor Operating | 06/12/1998 | 06/01/2002 |
| MSR220010    | Kerr McGee Chemical Corporation, Columbus | GP-Wood Treating              | 10/27/1992 | 07/13/1997 |
| MSD990866329 | Kerr McGee Chemical Corporation, Columbus | Hazardous Waste-EPA ID        | 10/12/2000 |            |
| MSD990866329 | Kerr McGee Chemical Corporation, Columbus | Hazardous Waste-TSD           | 06/11/2001 | 04/12/2006 |
| MSD990866329 | Tronox LLC, Columbus                      | Hazardous Waste-TSD           | 04/13/2006 | 05/31/2011 |
| 1696         | Kerr McGee Chemical Corporation           | Historic Site Name            | 10/27/1992 | 04/10/2006 |
| 1696         | Tronox, LLC                               | Official Site Name            | 04/10/2006 |            |
| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment            | 10/11/1994 | 10/10/1999 |
| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment            | 08/23/2000 | 07/31/2005 |
| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment            | 10/31/2005 | 04/12/2006 |
| MSP090021    | Tronox LLC, Columbus                      | Water-Pretreatment            | 04/13/2006 | 09/30/2010 |

### Regulatory Programs

| Program         | SubProgram               | Start Date | End Date   |
|-----------------|--------------------------|------------|------------|
| Air             | NSPS Subpart Dc          | 09/12/1990 | 06/01/2002 |
| Air             | SM                       | 06/06/1997 | 06/01/2002 |
| Hazardous Waste | Large Quantity Generator | 04/01/1997 |            |
| Hazardous Waste | TSD - Not Classified     | 06/11/2001 |            |
| Water           | PT CIU                   | 10/11/1994 | 09/01/2003 |
| Water           | PT CIU - Timber Products | 10/11/1994 | 09/01/2003 |

|       |                          |            |  |
|-------|--------------------------|------------|--|
|       | Processing (Subpart 429) |            |  |
| Water | PT NCS                   | 09/01/2003 |  |
| Water | PT SIU                   | 10/11/1994 |  |

**Locational Data**

| Latitude                            | Longitude                           | Metadata                                                                                                                                                                                                                                                                                                                                       | S / T / R                       | Map Links                      |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------|
| 33 ° 30 '<br>38 .51<br>(033.510697) | 88 ° 24 '<br>34 .02<br>(088.409450) | <b>Point Desc:</b> PG - Plant entrance<br>(General) Data collected by Louis<br>Crawford on 7/11/00. PG - Plant<br>Entrance (General) Data collected by<br>Clift Jeter on 6/13/02. LAT 33deg 30min<br>36.6sec LON 88deg 24min 35.1sec<br><br><b>Method:</b> GPS Code (Psuedo Range)<br>Differential<br><b>Datum:</b> NAD83<br><b>Type:</b> MDEQ | Section:<br>Township:<br>Range: | SWIMS<br>TerraServer<br>Map It |

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# enSearch

Department of Environmental Quality

## Kerr McGee Chemical Corporation, Columbus

### AI General Information

| AI ID | Branch   | SIC  | County  | Basin                 | Start      | End |
|-------|----------|------|---------|-----------------------|------------|-----|
| 1696  | Chemical | 2491 | Lowndes | Tombigbee River Basin | 10/27/1992 |     |

### Physical and Mailing Address

| Physical Address (Primary)                   | Mailing Address                              |
|----------------------------------------------|----------------------------------------------|
| 2300 14th Avenue North<br>Columbus, MS 39701 | 2300 14th Avenue North<br>Columbus, MS 39701 |

### Telecommunications

| Type              | Address or Phone |
|-------------------|------------------|
| Work phone number | (662) 328-7551   |

### Alternate / Historic AI Identifiers

| Alt ID    | Alt Name                                  | Alt Type                      | Start Date | End Date   |
|-----------|-------------------------------------------|-------------------------------|------------|------------|
| 08700020  | Kerr McGee Chemical Corporation, Columbus | Air-AIRS AFS                  | 10/12/2000 |            |
| 168000020 | Kerr McGee Chemical Corporation, Columbus | Air-Construction              | 06/12/1998 |            |
| 168000020 | Kerr McGee Chemical Corporation, Columbus | Air-Synthetic Minor Operating | 06/06/1997 | 06/01/2002 |
| 168000020 | Kerr McGee Chemical Corporation, Columbus | Air-Synthetic Minor Operating | 06/12/1998 | 06/01/2002 |
| MSR220010 | Kerr McGee Chemical Corporation, Columbus | GP-Wood Treating              | 10/27/1992 | 07/13/1997 |
|           | Kerr McGee Chemical                       | Hazardous Waste-EPA           |            |            |

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## General Information

| ID   | Branch   | SIC  | County  | Basin           | Start      | End |
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| 1696 | Chemical | 2491 | Lowndes | Tombigbee River | 10/27/1992 |     |

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| MSD990866329 | Tronox LLC, Columbus                      | Hazardous Waste-TSD           | 04/13/2006 | 05/31/2011 |
| 1696         | Kerr McGee Chemical Corporation           | Historic Site Name            | 10/27/1992 | 04/10/2006 |
| 1696         | Tronox, LLC                               | Official Site Name            | 04/10/2006 |            |
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| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment            | 08/23/2000 | 07/31/2005 |
| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment            | 10/31/2005 | 04/12/2006 |
| MSP090021    | Tronox LLC, Columbus                      | Water-Pretreatment            | 04/13/2006 | 09/30/2010 |

## Regulatory Programs

| Program         | SubProgram               | Start Date | End Date   |
|-----------------|--------------------------|------------|------------|
| Air             | NSPS Subpart Dc          | 09/12/1990 | 06/01/2002 |
| Air             | SM                       | 06/06/1997 | 06/01/2002 |
| Hazardous Waste | Large Quantity Generator | 04/01/1997 |            |
| Hazardous Waste | TSD - Not Classified     | 06/11/2001 |            |
| Water           | PT CIU                   | 10/11/1994 | 09/01/2003 |
| Water           | PT CIU - Timber Products | 10/11/1994 | 09/01/2003 |



|              |                                           |                     |            |            |
|--------------|-------------------------------------------|---------------------|------------|------------|
| MSD990866329 | Corporation, Columbus                     | ID                  | 10/12/2000 |            |
| MSD990866329 | Kerr McGee Chemical Corporation, Columbus | Hazardous Waste-TSD | 06/11/2001 | 05/31/2011 |
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| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment  | 10/11/1994 | 10/10/1999 |
| MSP090021    | Kerr McGee Chemical Corporation, Columbus | Water-Pretreatment  | 08/23/2000 | 07/31/2005 |

Regulatory Programs

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Program         | SubProgram                                        |
| Air             | NSPS Subpart Dc                                   |
| Air             | SM - Not Classified                               |
| Hazardous Waste | TSD - Not Classified                              |
| Water           | PT CIU                                            |
| Water           | PT CIU - Timber Products Processing (Subpart 429) |
| Water           | PT SIU                                            |

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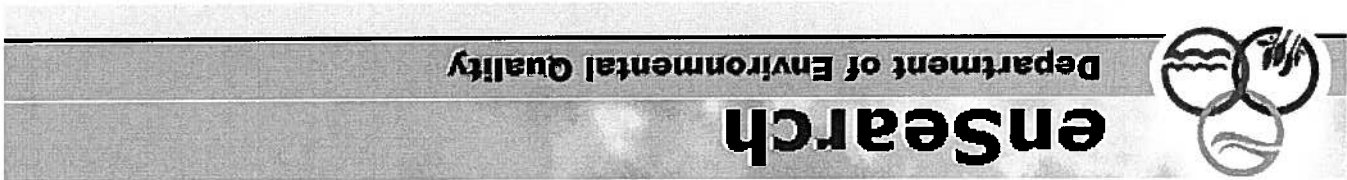
MDEQ | EPD | ECEd | DID | enSearch | enSearch Online | CTS

|       |                          |        |            |  |
|-------|--------------------------|--------|------------|--|
|       | Processing (Subpart 429) | PT NCS | 09/01/2003 |  |
| Water |                          | PT SIU | 10/11/1994 |  |

Locational Data

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| 33 ° 30 ' 38 .51 (033.510697) | 88 ° 24 ' 34 .02 (088.409450) | <b>Point Desc:</b> PG - Plant entrance (General) Data collected by Louis Crawford on 7/11/00. PG - Plant Entrance (General) Data collected by Cliff Jeter on 6/13/02. LAT 33deg 30min 36.6sec LON 88deg 24min 35.1sec<br><b>Method:</b> GPS Code (Pseudo Range) Differential<br><b>Datum:</b> NAD83<br><b>Type:</b> MDEQ | Section:<br>Township:<br>Range: | SWIMS<br>TerraServer<br>Map It |

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| MSR220010 | Kerr McGee Chemical Corporation, Columbus | GP-Wood Treating              | 10/27/1992 | 07/13/1997 |
|           | Kerr McGee Chemical                       | Hazardous Waste-EPA           |            |            |



I-sys 2000 Master Site Detail Report

Site Name: Kerr McGee Chemical Corporation, Columbus

| PHYSICAL ADDRESS |                                  | MAILING ADDRESS |                              |
|------------------|----------------------------------|-----------------|------------------------------|
| LINE 1:          | 2300 14th Avenue and 20th Street | LINE 1:         | 2300 Fourteenth Avenue North |
| LINE 2:          |                                  | LINE 2:         |                              |
| LINE 3:          |                                  | LINE 3:         |                              |
| MUNICIPALITY:    | Columbus                         | MUNICIPALITY:   | Columbus                     |
| STATE CODE:      | MS                               | STATE CODE:     | MS                           |
| ZIP CODE:        | 39703-                           | ZIP CODE:       | 39701-                       |

| OTHER INFORMATION |                       | AIR PROGRAMS                             |                               |
|-------------------|-----------------------|------------------------------------------|-------------------------------|
| MASTER ID:        | 001696                | <input checked="" type="checkbox"/> NSPS | <input type="checkbox"/> PSD  |
| COUNTY:           | Lowndes               | <input type="checkbox"/> NESHAPS         | <input type="checkbox"/> MACT |
| REGION:           | NRO                   |                                          |                               |
| SIC 1:            | 2491                  |                                          |                               |
| AIR TYPE:         | SYNTHETIC MINOR       |                                          |                               |
| HW TYPE:          | TSD                   |                                          |                               |
| SOLID TYPE:       |                       |                                          |                               |
| WATER TYPE:       | INDUSTRIAL            |                                          |                               |
| BRANCH:           | Chemical Branch       |                                          |                               |
| ECED CONTACT:     |                       |                                          |                               |
| BASIN:            |                       |                                          |                               |
|                   | Tombigbee River Basin |                                          |                               |



**Mississippi Department of Environmental Quality  
Office of Pollution Control**

| <b>Pemits</b> | <b>PROGRAM</b> | <b>PERMIT TYPE</b> | <b>PERMIT #</b>   | <b>MDEQ PERMIT CONTACT</b> | <b>ACTIVE</b> |
|---------------|----------------|--------------------|-------------------|----------------------------|---------------|
| AIR           | SMOP           | 168000020          | Hall, Bobby       |                            | NO            |
| AIR           | SMOP           | 168000020          | Shanks, Brad      |                            | YES           |
| WATER         | PRE-TREATMENT  | MSP090021          | Brumfield, Milton |                            | YES           |
| HAZ. WASTE    | EPA ID         | MSD990866329       | Ferguson, Bruce   |                            | NO            |
| GENERAL       | WOOD TREATING  | MSR22010           | LaFleur, Kenny    |                            | YES           |
| HAZ. WASTE    | TSD            |                    | Ferguson, Bruce   |                            | YES           |
| WATER         | PRE-TREATMENT  | MSP090021          | Taylor, John      |                            | YES           |
| AIR           | CONSTRUCTION   | 168000020          | Shanks, Brad      |                            | YES           |
| HAZ. WASTE    | TSD            | MSD990866329       | Crawford, Louis   |                            | NO            |

| <b>Compliance Actions</b> |                                  |           |           |                       |  |
|---------------------------|----------------------------------|-----------|-----------|-----------------------|--|
| MEDIA                     | ACTIVITY TYPE                    | SCHEDULED | COMPLETED | INSPECTED B           |  |
| HAZ WASTE                 | Compliance (Groundware) Monitor  | 5/17/00   | 5/17/00   | Twitty, Russ          |  |
| HAZ WASTE                 | Financial Record Review          | 3/1/00    | 5/11/00   | Hamill, Larry         |  |
| WATER                     | CMI - PRETREATMENT               |           |           | Whittington, Darryall |  |
| WATER                     | CEI - PRETREATMENT               | 9/30/00   |           | Shelton, Kirk         |  |
| WATER                     | CEI - NA                         | 6/16/99   | 6/16/99   | Shelton, Kirk         |  |
| HAZ WASTE                 | Compliance Evaluation Inspection | 6/16/99   | 6/16/99   | Shelton, Kirk         |  |
| AIR                       | State Compliance Inspection      | 6/16/99   | 6/16/99   | Shelton, Kirk         |  |

| <b>Enforcement Actions</b> |                    |            |          |                  |  |
|----------------------------|--------------------|------------|----------|------------------|--|
| MEDIA                      | ENFORCEMENT STEP   | DETERMINED | RESOLVED | EMPLOYEE ASSIGNE |  |
| HAZ. WASTE                 | AGREED ORDER       | 6/16/99    | 5/18/00  | Hamill, Larry    |  |
| HAZ. WASTE                 | APPARENT VIOLATION | 6/16/99    | 5/18/00  | Hamill, Larry    |  |
| AIR                        | APPARENT VIOLATION | 6/16/99    | 5/18/00  | Hamill, Larry    |  |
| AIR                        | AGREED ORDER       | 6/16/99    | 5/18/00  | Hamill, Larry    |  |

| 1. POLLUTANT AND CAS NO.<br>(if available)    | 2. MARK "X"               |                     |                    | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                  | 5. INTAKE<br>(optional) |          |                    |
|-----------------------------------------------|---------------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|-------------------------|----------|--------------------|
|                                               | A. PRESENTING REQUIREMENT | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |          | B. MAXIMUM 30 DAY VALUE (if available) |          | C. LONG TERM AVERAGE VALUE (if available) |          | D. NO. OF ANALYSES | E. CONCENTRATION | F. MASS                 |          | G. NO. OF ANALYSES |
|                                               |                           |                     |                    | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  | (1) CONC.               | (2) MASS |                    |
| 8V. Chlorodi-bromo-methane<br>(124-48-1)      |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 9V. Chloro-ethane<br>(75-00-3)                |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 10V. 2-Chloro-ethyl-vinyl Ether<br>(110-75-8) |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 11V. Chloro-form<br>(67-66-3)                 |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 12V. Dichloro-bromo-methane<br>(75-27-4)      |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 13V. Dichloro-difluoro-methane<br>(75-71-8)   |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |
| 14V. 1,1-Dichloro-ethane<br>(75-34-3)         |                           |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                         |          |                    |

|                                       |  |  |   | 4. UNITS                   |          |                            |          |                            |          | 5. INTAKE (optional)       |          |                    |
|---------------------------------------|--|--|---|----------------------------|----------|----------------------------|----------|----------------------------|----------|----------------------------|----------|--------------------|
|                                       |  |  |   | a. LONG TERM AVERAGE VALUE | b. MASS  | a. LONG TERM AVERAGE VALUE | b. MASS  | a. LONG TERM AVERAGE VALUE | b. MASS  | a. LONG TERM AVERAGE VALUE | b. MASS  | b. NO. OF ANALYSES |
|                                       |  |  |   |                            |          |                            |          |                            |          |                            |          |                    |
|                                       |  |  |   | (1) CONC.                  | (2) MASS | (1) CONC.                  | (2) MASS | (1) CONC.                  | (2) MASS | (1) CONC.                  | (2) MASS |                    |
| 17. 1,1-Dichloro-ethylene (75-35-4)   |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |
| 18. 1,2-Dichloro-ethane (78-87-5)     |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |
| 19. 1,3-Dichloro-propylene (542-75-6) |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |
| 20. Ethyl-benzene (100-41-4)          |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |
| 21. Methyl Bromide (74-83-9)          |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |
| 22. Methyl Chloride (74-87-3)         |  |  | X |                            |          |                            |          |                            |          |                            |          |                    |





| 1. POLLUTANT AND CAS NO.<br>(if avail-able) | 2. TEST "X" |   | 3. EFFLUENT                |                              |             |                                                    |             |                                                       |             |                               | 4. UNITS |    | 5. INTAKE (optional)            |         |                                  |             |                               |
|---------------------------------------------|-------------|---|----------------------------|------------------------------|-------------|----------------------------------------------------|-------------|-------------------------------------------------------|-------------|-------------------------------|----------|----|---------------------------------|---------|----------------------------------|-------------|-------------------------------|
|                                             |             |   | A. BE-<br>LIEVED<br>ABSENT | A. MAXIMUM<br>DAILY<br>VALUE |             | B. MAXIMUM<br>30-DAY<br>VALUE<br>(if<br>available) |             | C. LONG TERM<br>AVERAGE<br>VALUE<br>(if<br>available) |             | D. NO.<br>OF<br>ANAL-<br>YSIS |          |    | a. CON-<br>CEN-<br>TRA-<br>TION | b. MASS | a. LONG TERM<br>AVERAGE<br>VALUE |             | b. NO.<br>OF<br>ANAL-<br>YSIS |
|                                             |             |   |                            | (1)<br>CONC.                 | (2)<br>MASS | (1)<br>CONC.                                       | (2)<br>MASS | (1)<br>CONC.                                          | (2)<br>MASS |                               |          |    |                                 |         | (1)<br>CONC.                     | (2)<br>MASS |                               |
| 3A. 2,4-Dimethyl-phenol<br>(605-67-9)       | X           | X |                            | 180                          | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | PPB      | NA | NA                              | NA      | NA                               |             |                               |
| 4A. 4,6-Dinitro-O-Cresol<br>(52-10-1)       |             |   | X                          |                              |             |                                                    |             |                                                       |             |                               |          |    |                                 |         |                                  |             |                               |
| 5A. 2,4-Dinitro-phenol<br>(51-28-6)         | X           | X |                            | ND                           | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | PPB      | NA | NA                              | NA      | NA                               |             |                               |
| 6A. 2-Nitro-phenol<br>(88-75-5)             | X           | X |                            | ND                           | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | PPB      | NA | NA                              | NA      | NA                               |             |                               |
| 7A. 4-Nitro-phenol<br>(100-02-7)            | X           | X |                            | ND                           | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | PPB      | NA | NA                              | NA      | NA                               |             |                               |
| 8A. p-Chloro-N-Cresol<br>(59-50-7)          |             |   | X                          |                              |             |                                                    |             |                                                       |             |                               |          |    |                                 |         |                                  |             |                               |
| 9A. Pentachloro-phenol<br>(87-86-5)         | X           | X |                            | .374                         | NA          | .374                                               | NA          | NA                                                    | NA          | 6                             | Mg/l     | NA | 0.06                            | NA      | 6                                |             |                               |

| 1. POLLUTANT, AND CAS NO.<br>(if available) | 2. MARK "X"         |                    |                        | 3. EFFLUENT |                                        |          |                                           |          |                    |                  |         |                            |          | 4. UNITS           |  | 5. INFLUENT (optional) |  |
|---------------------------------------------|---------------------|--------------------|------------------------|-------------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|---------|----------------------------|----------|--------------------|--|------------------------|--|
| A. TESTING REQUIRED                         | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |             | B. MAXIMUM 30 DAY VALUE (if available) |          | C. LONG TERM AVERAGE VALUE (if available) |          | D. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |  |                        |  |
|                                             |                     |                    | (1) CONC.              | (2) MASS    | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  |         | (1) CONC.                  | (2) MASS |                    |  |                        |  |
| 10A. Phenol<br>(63-08-95-2)                 | X                   | X                  |                        | 1500        | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |
| 11A. 2,4,6-Trichlorophenol<br>(68-06-2)     | X                   | X                  |                        | ND          | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS     |                     |                    |                        |             |                                        |          |                                           |          |                    |                  |         |                            |          |                    |  |                        |  |
| 1B. Acenaphthene<br>(183-83-9)              | X                   | X                  |                        | 600         | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |
| 2B. Acenaphthylene<br>(208-96-84)           | X                   | X                  |                        | 35          | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |
| 3B. Anthracene<br>(120-12-7)                | X                   | X                  |                        | 240         | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |
| 4B. Benzidine<br>(92-87-5)                  |                     |                    | X                      |             |                                        |          |                                           |          |                    |                  |         |                            |          |                    |  |                        |  |
| 5B. Benzo (a) Anthracene<br>(56-55-3)       | X                   | X                  |                        | 240         | NA                                     | NA       | NA                                        | NA       | NA                 | 1                | PPB     | NA                         | NA       | NA                 |  |                        |  |

| 1. POLLUTANT AND GAS<br>NO.<br>(If avail-able)           | 2. MARK "X" |   |   | 3. EFFLUENT                        |                                  |                            |                              |             |                                                    |             |                                                       | 4. UNITS |    | 5. INTAKE<br>(Optional)       |                                    |         |                                  |              |                               |             |
|----------------------------------------------------------|-------------|---|---|------------------------------------|----------------------------------|----------------------------|------------------------------|-------------|----------------------------------------------------|-------------|-------------------------------------------------------|----------|----|-------------------------------|------------------------------------|---------|----------------------------------|--------------|-------------------------------|-------------|
|                                                          |             |   |   | A. TEST-<br>ING RE-<br>QUIR-<br>ED | B. BE-<br>LIEVED<br>PRE-<br>SENT | C. BE-<br>LIEVED<br>ABSENT | A. MAXIMUM<br>DAILY<br>VALUE |             | b. MAXIMUM<br>30 DAY<br>VALUE<br>(if<br>available) |             | c. LONG TERM<br>AVERAGE<br>VALUE<br>(if<br>available) |          |    | d. NO.<br>OF<br>ANAL-<br>YSIS | a.<br>CON-<br>CEN-<br>TRA-<br>TION | b. MASS | A. LONG TERM<br>AVERAGE<br>VALUE |              | b. NO.<br>OF<br>ANAL-<br>YSIS |             |
|                                                          |             |   |   |                                    |                                  |                            | (1)<br>CONC.                 | (2)<br>MASS | (1)<br>CONC.                                       | (2)<br>MASS | (1)<br>CONC.                                          |          |    |                               |                                    |         | (2)<br>MASS                      | (1)<br>CONC. |                               | (2)<br>MASS |
| 6B. Benzo (a) Pyrene<br>(50-32-8)                        | X           | X |   | 95                                 | NA                               | NA                         | NA                           | NA          | 1                                                  | PPB         | NA                                                    | NA       | NA |                               |                                    |         |                                  |              |                               |             |
| 7B. 3,4-Benzofluor-<br>anthene<br>(205-<br>89-2)         | X           | X |   | ND                                 | NA                               | NA                         | NA                           | NA          | 1                                                  | PPB         | NA                                                    | NA       | NA |                               |                                    |         |                                  |              |                               |             |
| 8B. Benzo (ghi)<br>Perylene<br>(191-<br>24-2)            | X           | X |   | 26                                 | NA                               | NA                         | NA                           | NA          | 1                                                  | PPB         | NA                                                    | NA       | NA |                               |                                    |         |                                  |              |                               |             |
| 9B. Benzo (k) Fluor-<br>anthene<br>(207-<br>08-3)        | X           | X |   | 8                                  | NA                               | NA                         | NA                           | NA          | 1                                                  | PPB         | NA                                                    | NA       | NA |                               |                                    |         |                                  |              |                               |             |
| 10B. Bis (2-chloro-<br>ethoxy) Methane<br>(111-<br>91-9) |             |   | X |                                    |                                  |                            |                              |             |                                                    |             |                                                       |          |    |                               |                                    |         |                                  |              |                               |             |
| 11B. Bis (2-chloro-<br>ethyl) Ether<br>(114-<br>44-4)    |             |   | X |                                    |                                  |                            |                              |             |                                                    |             |                                                       |          |    |                               |                                    |         |                                  |              |                               |             |

| 1. POLLUTANT AND CAS NO.<br>(If available)     | 2. MATR                 |                       |                     | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                     | 5. INTAKE<br>(optional) |                            |          |                    |
|------------------------------------------------|-------------------------|-----------------------|---------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|---------------------|-------------------------|----------------------------|----------|--------------------|
|                                                | A. TEST-ING RE-ED HOUR- | B. BE-LIEVED PRE-SENT | C. BE-LIEVED ABSENT | A. MAXIMUM DAILY VALUE |          | B. MAXIMUM 30 DAY VALUE (if available) |          | C. LONG TERM AVERAGE VALUE (if available) |          | D. NO. OF ANALYSIS | a. CON-CEN-TRA-TION | b. MASS                 | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSIS |
|                                                |                         |                       |                     | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                     |                         | (1) CONC.                  | (2) MASS |                    |
| 12B. Bis (2-Chloroisopropyl) Ether (1025-50-1) |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |
| 13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)   |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |
| 14B. 4-Bromophenyl Phenyl Ether (101-85-3)     |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |
| 15B. Butyl Benzyl Phthalate (85-68-7)          |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |
| 16B. 2-Chloronaphthalene (91-58-7)             |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |
| 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)  |                         |                       | X                   |                        |          |                                        |          |                                           |          |                    |                     |                         |                            |          |                    |

| 1. POLLUTANT AND CAS NO.<br>(If available)          | 2. MARK "X"           | 3. EFFLUENT          |                         |          |                                                |          |                                           | 4. UNITS | 5. INTAKE<br>(optional) |                  |         |                            |          |                    |
|-----------------------------------------------------|-----------------------|----------------------|-------------------------|----------|------------------------------------------------|----------|-------------------------------------------|----------|-------------------------|------------------|---------|----------------------------|----------|--------------------|
| A. TESTING REQUIRED                                 | B. IDENTIFIED PRESENT | C. IDENTIFIED ABSENT | a. MAXIMUM TAILLY VALUE |          | b. MAXIMUM 30 DAY AVERAGE VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          | d. NO. OF ANALYSES      | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |
|                                                     |                       |                      | (1) CONC.               | (2) MASS | (1) CONC.                                      | (2) MASS | (1) CONC.                                 | (2) MASS |                         |                  |         | (1) CONC.                  | (2) MASS |                    |
| 19B. Chrysene (218-01-9)                            | X                     | X                    |                         | 210      | NA                                             | NA       | NA                                        | NA       | 1                       | PPB              | NA      | NA                         | NA       | NA                 |
| 19B. Dibenzo (a,h) Anthracene (58-70-3)             | X                     | X                    |                         | 15       | NA                                             | NA       | NA                                        | NA       | 1                       | PPB              | NA      | NA                         | NA       | NA                 |
| 20B. 1,2-Dichloro-benzene (95-50-1)                 |                       |                      | X                       |          |                                                |          |                                           |          |                         |                  |         |                            |          |                    |
| 21B. 1,3-Dichloro-benzene (541-73-1)                |                       |                      | X                       |          |                                                |          |                                           |          |                         |                  |         |                            |          |                    |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) |                       |                      |                         |          |                                                |          |                                           |          |                         |                  |         |                            |          |                    |
| 22B. 1,4-Dichloro-benzene (106-46-7)                |                       |                      | X                       |          |                                                |          |                                           |          |                         |                  |         |                            |          |                    |
| 23B. 3,3'-Dichloro-benzidine (91-94-1)              |                       |                      | X                       |          |                                                |          |                                           |          |                         |                  |         |                            |          |                    |

| 1. POLLUTANT AND CAS NO.<br>(If available)             | 2. MASS-X- <sup>3</sup> |                     |                    | 3. EFFLUENT                                  |                                                              |                                                                 |                    |                  |         | 4. UNITS                                         |                    | 5. INTAKE (optional) |  |  |
|--------------------------------------------------------|-------------------------|---------------------|--------------------|----------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|--------------------|------------------|---------|--------------------------------------------------|--------------------|----------------------|--|--|
|                                                        | A. TESTING REQUIRED     | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE<br>(1) CONC. (2) MASS | B. MAXIMUM 30 DAY VALUE (if available)<br>(1) CONC. (2) MASS | C. LONG TERM AVERAGE VALUE (if available)<br>(1) CONC. (2) MASS | D. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE<br>(1) CONC. (2) MASS | b. NO. OF ANALYSES |                      |  |  |
| 24B. Diethyl phthalate (84-66-2)                       |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 25B. Dimethyl phthalate (131-11-3)                     |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 26B. Di-N-Bucyl phthalate (84-74-2)                    |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 27B. 2,4-Dinitrotoluene (121-44-2)                     |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 28B. 2,6-Dinitrotoluene (1506-20-2)                    |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 29B. Di-N-Octyl phthalate (84-70-0)                    |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |
| 30B. 1,2-Diphenylhydrazine (as Azo-benzene) (122-66-7) |                         |                     | X                  |                                              |                                                              |                                                                 |                    |                  |         |                                                  |                    |                      |  |  |



| 1. POLLUTANT AND CAS NO.<br>(If available) | 2. REPR. "X"        |                     |                    | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                  | 5. INTAKE (optional) |                            |          |                    |
|--------------------------------------------|---------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|----------------------|----------------------------|----------|--------------------|
|                                            | A. TESTING REQUIRED | B. BELIEVED PRESENT | C. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |
|                                            |                     |                     |                    | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  |                      | (1) CONC.                  | (2) MASS |                    |
| 31B. Fluoranthene (206-44-0)               | X                   | X                   |                    | 480                    | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | PPB              | NA                   | NA                         | NA       | NA                 |
| 32B. Fluorene (86-73-7)                    | X                   | X                   |                    | 490                    | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | PPB              | NA                   | NA                         | NA       | NA                 |
| 33B. Hexachlorobenzene (118-74-1)          |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 34B. Hexachlorobutadiene (187-68-3)        |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 35B. Hexachlorocyclopentadiene (174-47-4)  |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 36B. Hexachloroethane (67-72-1)            |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5)   | X                   | X                   |                    | 28                     | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | PPB              | NA                   | NA                         | NA       | NA                 |

| 1. POLLUTANT AND CAS NO.<br>(if available)        | 2. TEST TYPE      |                     |                    | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                  | 5. INTAKE (optional) |                            |          |                    |
|---------------------------------------------------|-------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|----------------------|----------------------------|----------|--------------------|
|                                                   | A. TESTING METHOD | B. BELIEVED PRESENT | C. BELIEVED ABSENT | a. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |
|                                                   |                   |                     |                    | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  |                      | (1) CONC.                  | (2) MASS |                    |
| 38B. Iso-phorone<br>(78-59-1)                     |                   |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 39B. Naphthalene<br>(91-20-3)                     | X                 | X                   |                    | 1200                   | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | PPB              | NA                   | NA                         | NA       | NA                 |
| 40B. Nitro-benzene<br>(98-95-3)                   |                   |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 41B. N-Nitrosodimethylaniline<br>(62-75-9)        |                   |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 42B. N-Nitrosodipropylamine<br>(621-7)            |                   |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| GC/MS FRACTION BASE/NEUTRAL COMPOUNDS (continued) |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 43B. N-Nitrosodiphenylamine<br>(86-30-6)          |                   |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 44B. Phenanthrene<br>(85-01-8)                    |                   |                     | X                  | 610                    |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |



| 1. POLLUTANT AND CAS NO.<br>(if available) | 2. MARK "X" |           |          | 3. EFFLUENT            |                       |                     |                        |          |                                        |          |                                           | 4. UNITS |    | 5. INTAKE (optional) |                     |         |
|--------------------------------------------|-------------|-----------|----------|------------------------|-----------------------|---------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|----|----------------------|---------------------|---------|
|                                            |             |           |          | A. TEST-ING RE-QUIR-ED | B. BE-LIEVED PRE-SENT | C. BE-LIEVED ABSENT | A. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          |    | d. NO. OF ANAL-YSIS  | a. CON-CEN-TRA-TION | b. MASS |
| (1) CONC.                                  | (2) MASS    | (1) CONC. | (2) MASS |                        |                       |                     | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS |                                           |          |    |                      |                     |         |
| 45B. Pyrene<br>(129-00-0)                  | X           | X         |          | 390                    | NA                    | NA                  | NA                     | NA       | NA                                     | 1        | PPB                                       | NA       | NA | NA                   |                     |         |
| 46B. 1,2,4-Trichlorobenzene<br>(120-82-1)  |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| GC/MS FRACTION - PESTICIDES                |             |           |          |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 1P. Aldrin<br>(309-00-2)                   |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 2P. DDT-BHC<br>(319-81-6)                  |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 3P. β-BHC<br>(319-85-7)                    |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 4P. m-BHC<br>(58-89-9)                     |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 5P. δ-BHC<br>(319-86-8)                    |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 6P. Chlordane<br>(57-74-9)                 |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |
| 7P. 4,4'-DDT<br>(50-29-3)                  |             |           | X        |                        |                       |                     |                        |          |                                        |          |                                           |          |    |                      |                     |         |

| 1. POLLUTANT AND CAS NO.<br>(If avail-able) | 2. MARK "X" | 3. EFFLUENT           |                       |                     |                        |             |                                        |             |                                           | 4. UNITS    |                     | 5. INTAKE (optional) |         |                            |             |                     |
|---------------------------------------------|-------------|-----------------------|-----------------------|---------------------|------------------------|-------------|----------------------------------------|-------------|-------------------------------------------|-------------|---------------------|----------------------|---------|----------------------------|-------------|---------------------|
|                                             |             | A. TEST-ING RE-QUIRED | B. BE-LIEVED PRE-SENT | C. BE-LIEVED ABSENT | A. MAXIMUM DAILY VALUE |             | b. MAXIMUM 30 DAY VALUE (If available) |             | c. LONG TERM AVERAGE VALUE (If available) |             | d. NO. OF ANAL-YSIS | a. CON-TRACTION      | b. MASS | a. LONG TERM AVERAGE VALUE |             | b. NO. OF ANAL-YSIS |
| 8P. 4,4'-DDE<br>(255-9)                     |             |                       | X                     |                     | (1)<br>CONC.           | (2)<br>MASS | (1)<br>CONC.                           | (2)<br>MASS | (1)<br>CONC.                              | (2)<br>MASS |                     |                      |         | (1)<br>CONC.               | (2)<br>MASS |                     |
| 9E. 4,4'-DDD<br>(72-54-8)                   |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 10B. Dieldrin<br>(6057-1)                   |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 11P. α-Endo-sulfan<br>(115-29-7)            |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 12B. β-Endo-sulfan<br>(115-29-7)            |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 13P. Endo-sulfan<br>(10381-40-8)            |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 14P. Endrin<br>(72-20-8)                    |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |
| 15P. Endrin Aldehyde<br>(7421-93-4)         |             |                       | X                     |                     |                        |             |                                        |             |                                           |             |                     |                      |         |                            |             |                     |

| 1. PESTICIDE AND CAS NO. (if available) | 2. MAX. "X" |  |   | 3. EFFLUENT       |                     |                    |                        |          |                                        |          |                                           | 4. UNITS |                    | 5. INTAKE (optional) |         |                            |          |                    |
|-----------------------------------------|-------------|--|---|-------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|----------------------|---------|----------------------------|----------|--------------------|
|                                         |             |  |   | A. TESTING METHOD | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |          | B. MAXIMUM 30 DAY VALUE (if available) |          | C. LONG TERM AVERAGE VALUE (if available) |          | D. NO. OF ANALYSIS | A. CONCENTRATION     | B. MASS | A. LONG TERM AVERAGE VALUE |          | D. NO. OF ANALYSIS |
|                                         |             |  |   |                   |                     |                    | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                      |         | (1) CONC.                  | (2) MASS |                    |
| CC/MS FRACTION - PESTICIDES (continued) |             |  |   |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 186. Hepta-chlor (75-44-8)              |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 175. Hepta-chlor Epoxide (11084-57-8)   |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 186. PCB-1242 (58469-21-9)              |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 190. PCB-1254 (11091-69-1)              |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 200. PCB-1221 (11104-98-2)              |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |
| 210. PCB-1232 (11111-16-5)              |             |  | X |                   |                     |                    |                        |          |                                        |          |                                           |          |                    |                      |         |                            |          |                    |

| CONTAMINANT AND CAS<br>(available) | 2. PART "X"                           |                                  |                            | 3. EFFLUENT                  |             |                                                    |             |                                                       |             | 4. UNITS                         |                            | 5. INTAKE<br>(optional) |                                  |             |                                  |  |
|------------------------------------|---------------------------------------|----------------------------------|----------------------------|------------------------------|-------------|----------------------------------------------------|-------------|-------------------------------------------------------|-------------|----------------------------------|----------------------------|-------------------------|----------------------------------|-------------|----------------------------------|--|
|                                    | A. TEST-<br>ING<br>RE-<br>QUIR-<br>ED | B. BE-<br>LIEVED<br>PRE-<br>SENT | C. BE-<br>LIEVED<br>ABSENT | A. MAXIMUM<br>DAILY<br>VALUE |             | b. MAXIMUM<br>30 DAY<br>VALUE<br>(if<br>available) |             | c. LONG TERM<br>AVERAGE<br>VALUE<br>(if<br>available) |             | d. NO.<br>OF<br>ANNUAL-<br>TESTS | e. CON-<br>CENTRA-<br>TION | f. MASS                 | A. LONG TERM<br>AVERAGE<br>VALUE |             | b. NO.<br>OF<br>ANNUAL-<br>TESTS |  |
|                                    |                                       |                                  |                            | (1)<br>CONC.                 | (2)<br>MASS | (1)<br>CONC.                                       | (2)<br>MASS | (1)<br>CONC.                                          | (2)<br>MASS |                                  |                            |                         | (1)<br>CONC.                     | (2)<br>MASS |                                  |  |
| 8. FRACTION PESTICIDES (continued) |                                       |                                  |                            |                              |             |                                                    |             |                                                       |             |                                  |                            |                         |                                  |             |                                  |  |
| PCB-1248<br>72-29-6)               |                                       |                                  | X                          |                              |             |                                                    |             |                                                       |             |                                  |                            |                         |                                  |             |                                  |  |
| PCB-1260<br>96-82-5)               |                                       |                                  | X                          |                              |             |                                                    |             |                                                       |             |                                  |                            |                         |                                  |             |                                  |  |
| PCB-1018<br>74-11-2)               |                                       |                                  | X                          |                              |             |                                                    |             |                                                       |             |                                  |                            |                         |                                  |             |                                  |  |
| Toxaphene<br>1-                    |                                       |                                  | X                          |                              |             |                                                    |             |                                                       |             |                                  |                            |                         |                                  |             |                                  |  |

For Agency Use  
Application Number

Date Received

STATE OF MISSISSIPPI  
OFFICE OF POLLUTION CONTROL  
P. O. BOX 10385  
JACKSON, MISSISSIPPI 39289-0385

APPLICATION FOR A STATE OPERATING PRETREATMENT PERMIT

(Please print or type)

|                                  |               |                                        |         |
|----------------------------------|---------------|----------------------------------------|---------|
| 1. Name of Applicant:            |               | Kerr-McGee Chemical LLC                |         |
|                                  |               | Forest Products Division               |         |
| 2. Mailing Address of Applicant: |               |                                        |         |
| Number & Street (P. O. Box):     |               | 2300 14 <sup>th</sup> Avenue North     |         |
| City:                            | Columbus      | State:                                 | MS      |
| Zip:                             | 39701         |                                        |         |
| Telephone Number:                |               | (601) 328-7551                         |         |
| 3. Applicant's Authorized Agent: |               |                                        |         |
| Name and Title:                  |               | Nick Bock, Environmental Manager       |         |
| Number & Street (P. O. Box):     |               | Kerr-McGee Chemical LLC, P.O.Box 25861 |         |
| City:                            | Oklahoma City | State:                                 | OK      |
| Zip:                             | 73125         |                                        |         |
| Telephone Number:                |               | (405) 270-2394 email nbocck@kmg.com    |         |
| 4. Facilities Location:          |               |                                        |         |
| Number & Street (P. O. Box):     |               | 2300 14 <sup>th</sup> Avenue North     |         |
| City:                            | Columbus, MS  | County:                                | Lowndes |
| Latitude (Deg., Min., Sec.):     |               | 33° 32' 30"                            |         |
| Longitude (Deg., Min., Sec.):    |               | 88° 24' 32"                            |         |

|                                                                                       |                  |                                 |          |
|---------------------------------------------------------------------------------------|------------------|---------------------------------|----------|
| 5. Nature of Business:                                                                |                  | Wood Preserving                 |          |
| 6. Location Map: (Provide as an attachment to this application) Location Map Attached |                  |                                 |          |
| 7. SIC CODES (4-digit, in order of priority)                                          |                  |                                 |          |
| A. FIRST                                                                              |                  | B. SECOND                       |          |
| 2491                                                                                  | Wood Preserving  | NA                              | NA       |
| C. THIRD                                                                              |                  | D. FOURTH                       |          |
| NA                                                                                    | NA               | NA                              | NA       |
| 8. Name of POTW Receiving Wastewater:                                                 |                  | City of Columbus, POTW          |          |
| Number & Street (P. O. Box):                                                          |                  | 168 Yorkville Road West         |          |
| City:                                                                                 | Columbus, MS     | County:                         | Lowndes  |
| 9. Discharge Type and Occurrence:                                                     |                  |                                 |          |
| A. Type of Discharge:                                                                 |                  | Cont. Continuous; If Continuous |          |
| NA                                                                                    | Gallons Per Day, | NA                              | Batch    |
| B. Discharge Occurrence:                                                              |                  | 7 Days per Week                 |          |
| C. Discharge Occurrence:                                                              |                  |                                 |          |
| x                                                                                     | January          | x                               | February |
| x                                                                                     | May              | x                               | June     |
| x                                                                                     | September        | x                               | October  |
| x                                                                                     | November         | x                               | December |
| 10. If Batch: A.                                                                      |                  | NA                              |          |
| Thousand Gallons per Discharge                                                        |                  |                                 |          |
| B.                                                                                    |                  | NA                              |          |
| Hours per Day                                                                         |                  |                                 |          |
| C.                                                                                    |                  | NA                              |          |
| Discharge Occurrence per Day                                                          |                  |                                 |          |
| 11. Maximum Period of Flow: From                                                      |                  |                                 |          |
| 1/1/97                                                                                |                  | to 1/31/97                      |          |
| Month                                                                                 |                  |                                 |          |



|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. Facility Water Use:                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                              |
| Estimate average volume in thousand gallons per day for the following types of water usage at this facility.                                                                                                                                                                                                                                  |                                                                                                                                                              |
| Noncontact cooling:                                                                                                                                                                                                                                                                                                                           | None                                                                                                                                                         |
| Boiler feed:                                                                                                                                                                                                                                                                                                                                  | 0.5 GPD                                                                                                                                                      |
| Process (Including Contact Cooling):                                                                                                                                                                                                                                                                                                          | 10.78 GPD                                                                                                                                                    |
| Sanitary:                                                                                                                                                                                                                                                                                                                                     | None                                                                                                                                                         |
| Other:                                                                                                                                                                                                                                                                                                                                        | Unregulated Creosote Contaminated Stormwater and Groundwater: 11.88 GPD (See Combined Waste Stream Formula Spreadsheet, Table 1 and Water Balance, Figure 1) |
| Total:                                                                                                                                                                                                                                                                                                                                        | 23.16 GPD. See Water Balance Schematic and Combined Waste Stream Formula.                                                                                    |
| 13. List all Facility Discharges:                                                                                                                                                                                                                                                                                                             |                                                                                                                                                              |
| City of Columbus POTW                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                              |
| Other water losses (surface water, product consumption, evaporation). Indicate volume in thousand gallons.                                                                                                                                                                                                                                    |                                                                                                                                                              |
| None                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                              |
| (See Combined Waste Stream Formula Spreadsheet, Table 1 and Water Balance, Figure 1.                                                                                                                                                                                                                                                          |                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                              |
| 14. Give narrative description of process(es) producing discharge, or in case of no discharge, that generates wastewater.                                                                                                                                                                                                                     |                                                                                                                                                              |
| Wood treatment green and dry in retorts. Wood from production process generates water, the plant recirculates wastewater to the Vacuum pumps and an air scrubber. Creosote contaminated groundwater is recovered and the creosote is recycled to the production oil water separators and a biological unit are used for wastewater treatment. |                                                                                                                                                              |

|                              |  |                   |
|------------------------------|--|-------------------|
| 15. List raw materials used: |  | Wood and Creosote |
|------------------------------|--|-------------------|

|                                                                                                                                                                                                                                                     |                                                                                   |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|
| 16. PRODUCTION                                                                                                                                                                                                                                      |                                                                                   |                                             |
| <p>A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?</p> <p>X ~ Yes (complete Item 16-B) ~ No (Go to 17)</p>                                                             |                                                                                   |                                             |
| <p>B. Are the limitations in the applicable effluent guidelines expressed in terms of production (or other measure of operation)?</p> <p>~ Yes (complete Item 16-C) X ~ No (Go to 17)</p>                                                           |                                                                                   |                                             |
| <p>C. If you answered "yes" to Item 16-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.</p> |                                                                                   |                                             |
| 1. AVERAGE DAILY PRODUCTION                                                                                                                                                                                                                         |                                                                                   | 2. AFFECTED OUTFALLS (List outfall numbers) |
| a. QUANTITY PER DAY                                                                                                                                                                                                                                 | <p>b. UNITS OF MEASURE</p> <p>c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)</p> |                                             |
| NA                                                                                                                                                                                                                                                  |                                                                                   |                                             |



17. Effluent Characteristics:

A. You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall to the city sewer. If your facility does not have a discharge indicate so and disregard.

| 1. POLLUTANT                       | 2. EFFLUENT              |                                        |                                         |            |                          |                  | 3. UNITS<br>(specify if blank) |                            | 4. INTAKE<br>(optional) |  |
|------------------------------------|--------------------------|----------------------------------------|-----------------------------------------|------------|--------------------------|------------------|--------------------------------|----------------------------|-------------------------|--|
|                                    | a. MAXIMUM DAILY VALUE   | b. MAXIMUM 30 DAY VALUE (if available) | c. LONG TERM AVRG. VALUE (if available) |            | d. NO. OF ANALYSES       | a. CONCENTRATION | b. MASS                        | a. LONG TERM AVERAGE 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) | 51                       |                                        |                                         |            |                          |                  | Mg/l                           |                            |                         |  |
| b. Chemical Oxygen Demand (COD)    | 530                      |                                        |                                         |            |                          |                  | Mg/l                           |                            |                         |  |
| c. Total Suspended Solids (TSS)    | 57                       |                                        |                                         |            |                          |                  | Mg/l                           |                            |                         |  |
| d. Ammonia (as N)                  | 20                       |                                        |                                         |            |                          |                  | Mg/l                           |                            |                         |  |
| e. Flow                            | VALUE<br>41,000 GPD      |                                        | VALUE<br>977,000 Gal/Mon.               |            | VALUE<br>25149 GPD       |                  | GPD                            | VALUE<br>25149 GPD         | 36                      |  |
| f. Temperature (winter)            | VALUE<br>60°F (estimate) |                                        | VALUE<br>60°F (estimate)                |            | VALUE<br>60°F (estimate) |                  | °C                             | VALUE<br>60°F (estimate)   | °F                      |  |
| g. Temperature (summer)            | VALUE<br>90°F (estimate) |                                        | VALUE<br>90°F (estimate)                |            | VALUE<br>90°F (estimate) |                  | °C                             | VALUE<br>90°F (estimate)   | °F                      |  |
| h. pH                              | MIN<br>5.9               | MAX<br>7.9                             | MIN<br>5.9                              | MAX<br>7.9 |                          |                  | 36                             | STANDARD UNITS             |                         |  |

**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.

**B. INTAKE AND EFFLUENT CHARACTERISTICS**

OUTFALL  
NO. 001

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

| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X"           |                     | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS  |          | 5. INTAKE (optional)       |    | b. NO. OF ANALYSES |    |
|-----------------------------------------|-----------------------|---------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|-----------|----------|----------------------------|----|--------------------|----|
|                                         |                       |                     | A. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          |           |          | a. LONG TERM AVERAGE VALUE |    |                    |    |
|                                         | A. BE-LIEVED PRE-SENT | B. BE-LIEVED ABSENT | (1) CONC               | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS | (1) CONC. | (2) MASS |                            |    |                    |    |
| a. Bromide (24359-67-9)                 | X                     |                     |                        |          |                                        |          |                                           |          |           |          |                            |    |                    |    |
| b. Chlorine, Total Residual             |                       | X                   |                        |          |                                        |          |                                           |          |           |          |                            |    |                    |    |
| c. Fluoride (16984-48-8)                |                       | X                   |                        |          |                                        |          |                                           |          |           |          |                            |    |                    |    |
| d. Nitrate-Nitrite (as N)               | X                     |                     | 0.9                    | NA       | NA                                     | NA       | NA                                        | NA       | NA        | 1        | Mg/l                       | NA | NA                 | NA |

| 1. POLLUTANT AND CAS NO.<br>(If available)   | 2. MARK "X"         |                    | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                  | 5. INTAKE (optional) |                            |          |                    |
|----------------------------------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|----------------------|----------------------------|----------|--------------------|
|                                              |                     |                    | A. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (If available) |          | c. LONG TERM AVERAGE VALUE (If available) |          | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |
|                                              | A.BE-LIEVED PRESENT | B.BE-LIEVED ABSENT | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  |                      | (1) CONC.                  | (2) MASS |                    |
| e. Nitrogen, Total Organic (as N)            | X                   |                    | 18.0                   | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | Mg/l             | NA                   | NA                         | NA       | NA                 |
| f. Oil and Grease                            | X                   |                    | 20                     | NA       | 20                                     | NA       | 9.2                                       | NA       | 36                 | Mg/l             | NA                   | 9.2                        | NA       | 48                 |
| g. Phosphorus (as P), Total (7723-14-0)      | X                   |                    | .41                    | NA       | NA                                     | NA       | NA                                        | NA       | 1                  | Mg/l             | NA                   | NA                         | NA       | NA                 |
| h. Radioactivity                             |                     |                    |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 1. Alpha, Total                              |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 2. Beta, Total                               |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 3. Radium Total                              |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 4. Radium 226, Total                         |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| i. Sulfate (as SO <sub>4</sub> ) 14808-79-8) |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |



| 1. POLLUTANT AND CAS NO. (if available)             | 2. MARK "X" | 3. EFFLUENT                      |                            |                              |             |                                                    |             |                                                       |             | 4. UNITS                      |                       | 5. INTAKE (optional) |                                  |             |                               |
|-----------------------------------------------------|-------------|----------------------------------|----------------------------|------------------------------|-------------|----------------------------------------------------|-------------|-------------------------------------------------------|-------------|-------------------------------|-----------------------|----------------------|----------------------------------|-------------|-------------------------------|
|                                                     |             | A. BE-<br>LIEVED<br>PRE-<br>SENT | B. BE-<br>LIEVED<br>ABSENT | A. MAXIMUM<br>DAILY<br>VALUE |             | b. MAXIMUM<br>30 DAY<br>VALUE<br>(if<br>available) |             | c. LONG TERM<br>AVERAGE<br>VALUE<br>(if<br>available) |             | d. NO.<br>OF<br>ANAL-<br>YSES | a. CONCEN-<br>TRATION | b. MASS              | a. LONG TERM<br>AVERAGE<br>VALUE |             | b. NO.<br>OF<br>ANAL-<br>YSES |
|                                                     |             |                                  |                            | (1)<br>CONC.                 | (2)<br>MASS | (1)<br>CONC.                                       | (2)<br>MASS | (1)<br>CONC.                                          | (2)<br>MASS |                               |                       |                      | (1)<br>CONC.                     | (2)<br>MASS |                               |
| j. Sulfide<br>(as S)                                | X           |                                  |                            | .25                          | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                   | NA                               | NA          | NA                            |
| k. Sulfite<br>(as SO <sub>3</sub> )<br>(14265-45-3) | X           |                                  |                            | 3.5                          | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                   | NA                               | NA          | NA                            |
| l. Surfact-<br>ants                                 |             | X                                |                            |                              | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                   | NA                               | NA          | NA                            |
| m. Aluminum<br>Total<br>(7429-90-5)                 |             | X                                |                            |                              | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                   | NA                               | NA          | NA                            |
| n. Barium<br>Total<br>(7440-39-3)                   |             | X                                |                            |                              |             |                                                    |             |                                                       |             |                               |                       |                      |                                  |             |                               |
| o. Boron,<br>Total<br>(7440-42-8)                   |             | X                                |                            |                              |             |                                                    |             |                                                       |             |                               |                       |                      |                                  |             |                               |
| p. Cobalt<br>Total<br>(7440-48-4)                   |             | X                                |                            |                              |             |                                                    |             |                                                       |             |                               |                       |                      |                                  |             |                               |
| q. Iron<br>Total<br>(7439-89-6)                     | X           |                                  |                            | 15.5                         | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                   | NA                               | NA          | NA                            |

| 1. POLLUTANT<br>AND CAS NO.<br>(if available) | 2. MARK "X"                      |                            | 3. EFFLUENT                  |             |                                                    |             |                                                       |             | 4. UNITS                      |                       | 5. INTAKE<br>(optional) |                                  |             |                               |
|-----------------------------------------------|----------------------------------|----------------------------|------------------------------|-------------|----------------------------------------------------|-------------|-------------------------------------------------------|-------------|-------------------------------|-----------------------|-------------------------|----------------------------------|-------------|-------------------------------|
|                                               |                                  |                            |                              |             |                                                    |             |                                                       |             |                               |                       |                         |                                  |             |                               |
|                                               | A. BE-<br>LIEVED<br>PRE-<br>SENT | B. BE-<br>LIEVED<br>ABSENT | A. MAXIMUM<br>DAILY<br>VALUE |             | b. MAXIMUM<br>30 DAY<br>VALUE<br>(if<br>available) |             | c. LONG TERM<br>AVERAGE<br>VALUE<br>(if<br>available) |             | d. NO.<br>OF<br>ANAL-<br>YSIS | a. CONCEN-<br>TRATION | b. MASS                 | a. LONG TERM<br>AVERAGE<br>VALUE |             | b. NO.<br>OF<br>ANAL-<br>YSIS |
|                                               |                                  |                            | (1)<br>CONC.                 | (2)<br>MASS | (1)<br>CONC.                                       | (2)<br>MASS | (1)<br>CONC.                                          | (2)<br>MASS |                               |                       |                         | (1)<br>CONC.                     | (2)<br>MASS |                               |
| r. Magnesium<br>Total<br>(7439-<br>95-4)      | X                                |                            | 8.61                         | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                      | NA                               | NA          | NA                            |
| s. Molybdenum<br>Total<br>(7439-<br>98-7)     |                                  | X                          |                              |             |                                                    |             |                                                       |             |                               |                       |                         |                                  |             |                               |
| t. Manganese<br>Total<br>(7439-<br>96-5)      | X                                |                            | 3.36                         | NA          | NA                                                 | NA          | NA                                                    | NA          | 1                             | Mg/l                  | NA                      | NA                               | NA          | NA                            |
| u. Tin,<br>Total<br>(4770-<br>31-5)           |                                  | X                          |                              |             |                                                    |             |                                                       |             |                               |                       |                         |                                  |             |                               |
| v. Titanium<br>Total<br>(7440-<br>32-6)       |                                  | X                          |                              |             |                                                    |             |                                                       |             |                               |                       |                         |                                  |             |                               |

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table I (see attachment) mine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, ss wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason ve is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide its of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations b or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you vide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you e in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at e analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 20 pages to this ease review each carefully. Complete one table (all 20 pages) for each outfall.

| 1. POLLUTANT<br>AND CAS NO.<br>(if available) | 2. MARK "X" |             |             | 3. EFFLUENT                  |                                                 |              |                                                       |              |                            | 4. UNITS                        |         | 5. INTAKE<br>(optional)          |    |                               |
|-----------------------------------------------|-------------|-------------|-------------|------------------------------|-------------------------------------------------|--------------|-------------------------------------------------------|--------------|----------------------------|---------------------------------|---------|----------------------------------|----|-------------------------------|
|                                               |             |             |             | A. MAXIMUM<br>DAILY<br>VALUE | b. MAXIMUM<br>30 DAY<br>VALUE<br>(if available) |              | c. LONG<br>TERM<br>AVERAGE<br>VALUE<br>(if available) |              | d. NO.<br>OF ANAL-<br>YSIS | a. CON-<br>CEN-<br>TRA-<br>TION | b. MASS | a. LONG TERM<br>AVERAGE<br>VALUE |    | b. NO.<br>OF<br>ANAL-<br>YSIS |
|                                               | (1)<br>CONC | (2)<br>MASS | (1)<br>CONC |                              | (2)<br>MASS                                     | (1)<br>CONC. | (2)<br>MASS                                           | (1)<br>CONC. |                            |                                 |         | (2)<br>MASS                      |    |                               |
| METALS, CYANIDE, AND TOTAL PHENOLS            |             |             |             |                              |                                                 |              |                                                       |              |                            |                                 |         |                                  |    |                               |
| 1M. Antimony,<br>Total<br>(7440-<br>36-0)     |             |             | X           |                              |                                                 |              |                                                       |              |                            |                                 |         |                                  |    |                               |
| 2M. Arsenic,<br>Total<br>(7440-<br>38-2)      | X           | X           |             | 0.01                         | NA                                              | 0.01         | NA                                                    | 0.002        | NA                         | 6                               | Mg/l    | NA                               | NA | NA                            |
| 3M. Beryllium<br>Total<br>7440-<br>41-7       |             |             | X           |                              |                                                 |              |                                                       |              |                            |                                 |         |                                  |    |                               |



| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X"         |                     |                    | 5. EFFLUENT            |           |                                        |           |                                           |           |                    |                  | 4. UNITS |                            | 5. INTAKE (optional) |                    |  |
|-----------------------------------------|---------------------|---------------------|--------------------|------------------------|-----------|----------------------------------------|-----------|-------------------------------------------|-----------|--------------------|------------------|----------|----------------------------|----------------------|--------------------|--|
|                                         |                     |                     |                    |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |
|                                         | A. TESTING REQUIRED | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |           | b. MAXIMUM 30 DAY VALUE (if available) |           | c. LONG TERM AVERAGE VALUE (if available) |           | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS  | a. LONG TERM AVERAGE VALUE |                      | b. NO. OF ANALYSES |  |
| (1) CONC.                               |                     |                     |                    | (2) MASS               | (1) CONC. | (2) MASS                               | (1) CONC. | (2) MASS                                  | (1) CONC. |                    |                  |          | (2) MASS                   |                      |                    |  |
| 4M. Gadolinium, Total (7440-43-9)       |                     |                     | X                  |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |
| 5M. Chromium, Total (7440-47-3)         | X                   | X                   |                    | 0.02                   | NA        | 0.02                                   | NA        | 0.003                                     | NA        | 6                  | Mg/l             | NA       | 0.003                      | NA                   | 6                  |  |
| 6M. Copper, Total (7440-50-8)           | X                   | X                   |                    | 0.11                   | NA        | 0.11                                   | NA        | 0.02                                      | NA        | 6                  | Mg/l             | NA       | 0.02                       | NA                   | 6                  |  |
| 7M. Lead, Total (7439-92-1)             |                     |                     | X                  |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |
| 8M. Mercury, Total (7439-97-6)          |                     |                     | X                  |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |
| 9M. Nickel, Total (7440-02-0)           |                     |                     | X                  |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |
| 10M. Selenium, Total (7782-49-2)        |                     |                     | X                  |                        |           |                                        |           |                                           |           |                    |                  |          |                            |                      |                    |  |

| 1. POLLUTANT AND CAS NO. (if available)         | 2. MARK "X"         |                     |                    | 3. EFFLUENT            |          |                                        |          |                                           |          | 4. UNITS           |                  | 5. INTAKE (optional) |                            |          |                    |
|-------------------------------------------------|---------------------|---------------------|--------------------|------------------------|----------|----------------------------------------|----------|-------------------------------------------|----------|--------------------|------------------|----------------------|----------------------------|----------|--------------------|
|                                                 | A. TESTING REQUIRED | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |          | b. MAXIMUM 30 DAY VALUE (if available) |          | c. LONG TERM AVERAGE VALUE (if available) |          | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS              | a. LONG TERM AVERAGE VALUE |          | b. NO. OF ANALYSES |
|                                                 |                     |                     |                    | (1) CONC.              | (2) MASS | (1) CONC.                              | (2) MASS | (1) CONC.                                 | (2) MASS |                    |                  |                      | (1) CONC.                  | (2) MASS |                    |
| 11M. Silver, Total (7440-22-4)                  |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 12M. Thallium, Total (7440-28-0)                |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 13M. Zinc Total (7440-66-6)                     |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 14M. Cyanide, Total (57-12-5)                   |                     |                     | X                  |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 15M. Phenols, Total                             | X                   | X                   |                    | 52.9                   | 10.8     | 52.9                                   | 10.8     | 52.9                                      | 10.8     | 36                 | Mg/l             | Pounds               | 15                         | 3.1      | 36                 |
| DIOXIN                                          |                     |                     |                    |                        |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |
| 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6) |                     |                     | X                  | DESCRIBE RESULTS       |          |                                        |          |                                           |          |                    |                  |                      |                            |          |                    |



| 1. POLLUTANT AND CAS NO. (if available) | 2. MARK "X" |          |           | 3. EFFLUENT         |                     |                    |                        |           |                                        |           |                                           | 4. UNITS |  | 5. INTAKE (optional) |                  |         |                            |  |
|-----------------------------------------|-------------|----------|-----------|---------------------|---------------------|--------------------|------------------------|-----------|----------------------------------------|-----------|-------------------------------------------|----------|--|----------------------|------------------|---------|----------------------------|--|
|                                         |             |          |           | A. TESTING REQUIRED | B. BELIEVED PRESENT | C. BELIEVED ABSENT | A. MAXIMUM DAILY VALUE |           | b. MAXIMUM 30 DAY VALUE (if available) |           | c. LONG TERM AVERAGE VALUE (if available) |          |  | d. NO. OF ANALYSES   | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE |  |
|                                         | (1) CONC.   | (2) MASS | (1) CONC. |                     |                     |                    | (2) MASS               | (1) CONC. | (2) MASS                               | (1) CONC. | (2) MASS                                  |          |  |                      |                  |         |                            |  |
| GC/MS FRACTION - VOLATILE COMPOUNDS     |             |          |           |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 1V. Acrolein (107-02-8)                 |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 2V. Acrylonitrile (107-13-1)            |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 3V. Benzene (71-43-2)                   |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 4V. Bis (Chloromethyl) Ether (542-88-1) |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 5V. Bromoform (75-25-2)                 |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 6V. Carbon Tetra-chloride (56-23-5)     |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |
| 7V. Chloro-benzene (108-90-7)           |             |          | X         |                     |                     |                    |                        |           |                                        |           |                                           |          |  |                      |                  |         |                            |  |

|                                                                                                                                                             |  |                                                                                                     |  |                                |     |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------|-----|-------------------------------------------------|
| 18. Treatment Units:                                                                                                                                        |  | A. Do you provide treatment for your wastewater?                                                    |  | X                              | Yes | No                                              |
| B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.    |  |                                                                                                     |  |                                |     |                                                 |
| See Figure 1, Gravity separation, polymer addition, gravity separation, Aeration and nutrients. Extensive water recycle.                                    |  |                                                                                                     |  |                                |     |                                                 |
|                                                                                                                                                             |  |                                                                                                     |  |                                |     |                                                 |
|                                                                                                                                                             |  |                                                                                                     |  |                                |     |                                                 |
|                                                                                                                                                             |  |                                                                                                     |  |                                |     |                                                 |
| 19. CONTRACT ANALYSIS INFORMATION                                                                                                                           |  |                                                                                                     |  |                                |     |                                                 |
| Were any of the analyses reported in Item 17 performed by a contract laboratory or consulting firm?                                                         |  |                                                                                                     |  |                                |     |                                                 |
| X YES (List the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)                                     |  |                                                                                                     |  |                                |     |                                                 |
| ~ NO (go to Item 20)                                                                                                                                        |  |                                                                                                     |  |                                |     |                                                 |
| A. NAME                                                                                                                                                     |  | B. ADDRESS                                                                                          |  | C. TELEPHONE (area code & no.) |     | D. POLLUTANTS ANALYZED (list)                   |
| Enviro-labs                                                                                                                                                 |  | P.O. Box 1096<br>Starkville, MS<br>39760-1096                                                       |  | (601) 323-7744                 |     | Oil and grease<br>Metals<br>Total Phenol        |
| Southwest Lab<br>Of Oklahoma                                                                                                                                |  | 1700 W. Albany<br>Broken Arrow, OK<br>74012                                                         |  | (918) 251-2858<br>Randy Staggs |     | Constituents<br>Listed in Section<br>17, Part C |
| 20. I certify that I am familiar with the information contained in this action and that to the best of my knowledge and belief such information is correct. |  |                                                                                                     |  |                                |     |                                                 |
| Nick Book                                                                                                                                                   |  | Manager, Regulatory Compliance                                                                      |  |                                |     |                                                 |
| Printed Name of Applicant's Authorized Agent                                                                                                                |  | Title                                                                                               |  |                                |     |                                                 |
| Requirements of 40 CFR 403.12 (1)                                                                                                                           |  | Signature of Authorized Agent and/or Individual Meeting Signatory Requirements of 40 CFR 403.12 (1) |  |                                |     |                                                 |
| 3/15/00                                                                                                                                                     |  | Nick Book                                                                                           |  |                                |     |                                                 |
| Date Application Signed                                                                                                                                     |  |                                                                                                     |  |                                |     |                                                 |

**TABLE 1**

[illegible]





|                                                                                   |  |                           |  |
|-----------------------------------------------------------------------------------|--|---------------------------|--|
| MAP DATE: 9/97                                                                    |  | DRAWN BY: KB              |  |
| COLUMBUS, MISSISSIPPI                                                             |  |                           |  |
| KERR-MCGEE CORP.                                                                  |  | HYDROLOGIC SERVICES DEPT. |  |
|  |  |                           |  |
| <b>FIGURE 1</b><br><b>SITE LOCATION MAP</b>                                       |  |                           |  |



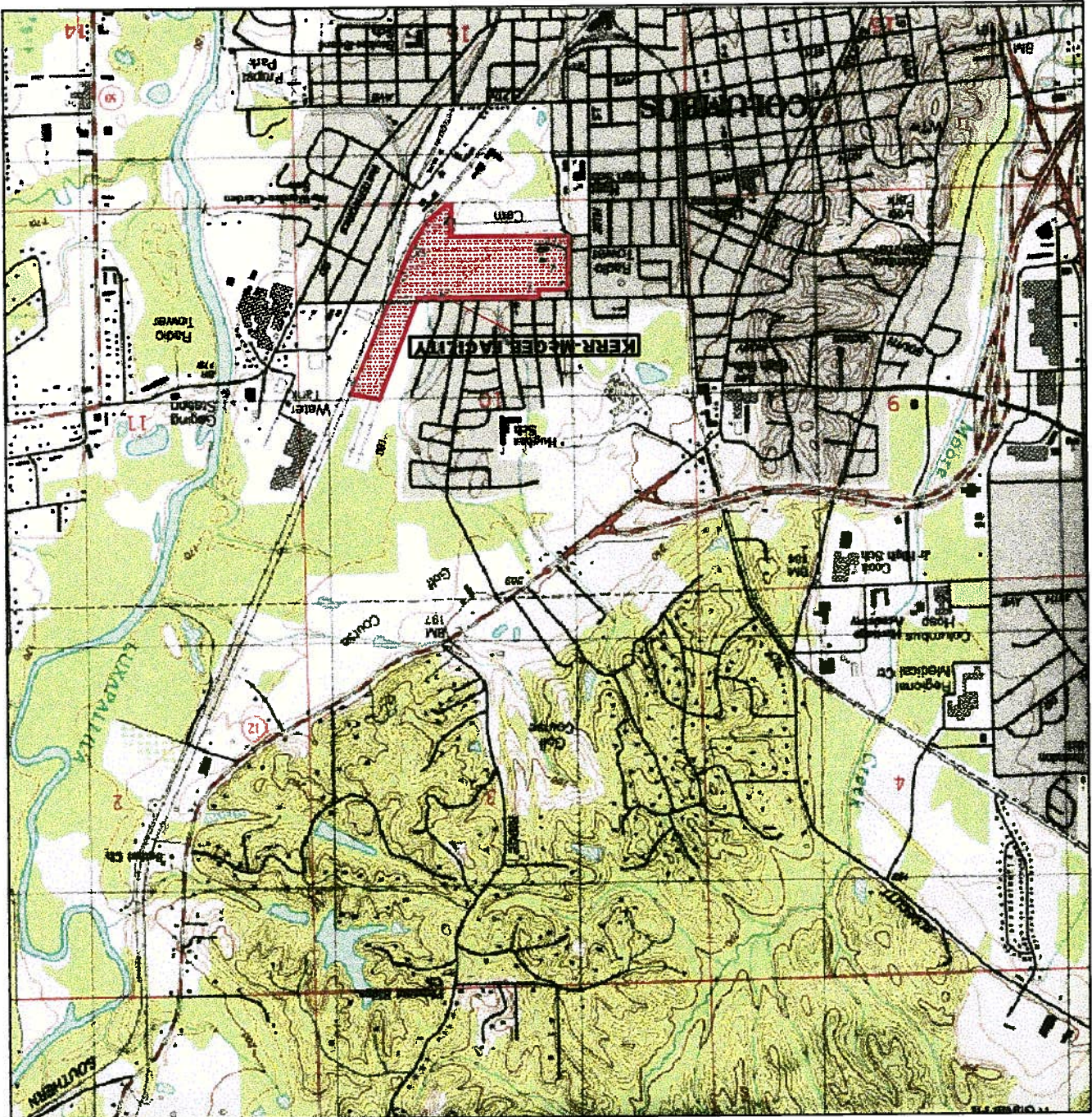
LEGEND

COLUMBUS NORTH, MISS



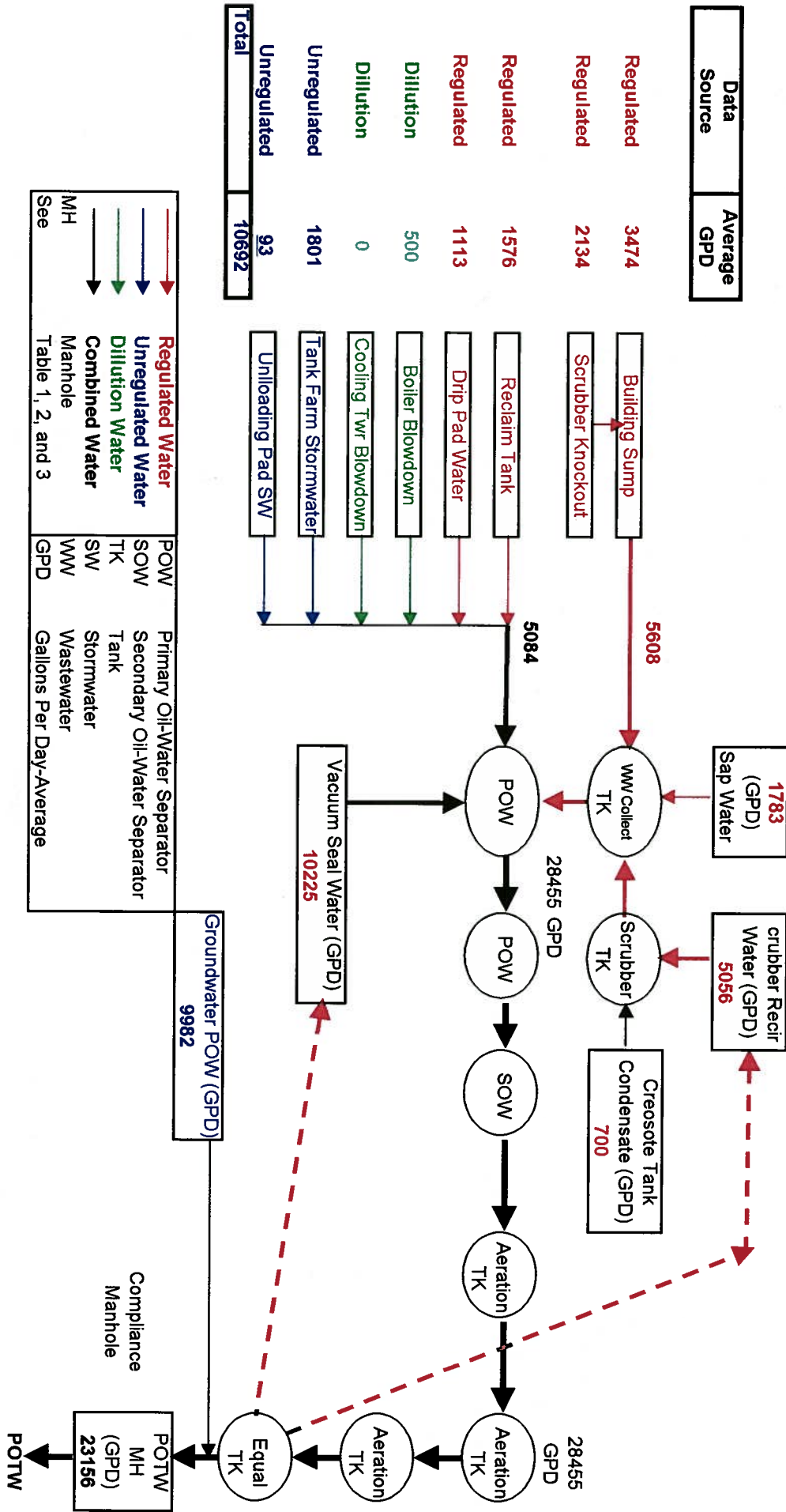
QUADRANGLE LOCATION

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP





**Figure 1**  
**Water Balance**  
**Columbus, Mississippi**  
Based on 1999 Flows, Prepared By N. Bock  
Wastewater Permit Application, March 2000





**Table 1**  
**Wastewater Classification**  
**Columbus, MS**  
**N. Bock, February, 2000**

| Type<br>Water                 | Data<br>Source       | Average<br>GPD | Wastewater Discharged<br>With Groundwater<br>Flow (GPD) | Groundwater<br>Contribution<br>Flow (GPD) | Wastewater Discharged<br>Without Groundwater<br>Flow (GPD) | Wastewater<br>System<br>Flow (GPD) | Ratio<br>WW Sources/<br>System Flow | Quantity<br>In Discharge<br>Flow (GPD) |
|-------------------------------|----------------------|----------------|---------------------------------------------------------|-------------------------------------------|------------------------------------------------------------|------------------------------------|-------------------------------------|----------------------------------------|
| See 40 CFR 403.6              | Figure 1             | Figure 1       | Figure 1                                                | Figure 1                                  | Calculation                                                | Figure 1                           | Calculation                         | Calculation                            |
| Process                       | Bldg Sump/Knockout   | 5608           | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 2596                                   |
| Process                       | Reclaim Tank         | 1576           | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 730                                    |
| Process                       | Drip Pad Water       | 1113           | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 515                                    |
| Dilution                      | Boiler Blowdown      | 500            | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 231                                    |
| Dilution                      | Cooling Twr Blowdown | 0              | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 0                                      |
| Unregulated                   | Tank Farm Stormwater | 1801           | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 834                                    |
| Unregulated                   | Unloading Pad SW     | 93             | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 43                                     |
| Process                       | Sap                  | 1783           | 23156                                                   | 9982                                      | 13174                                                      | 0                                  | 0.4630                              | 825                                    |
| Process                       | Condensate           | 700            | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 324                                    |
| Process                       | Scrubber Recirc      | 5056           | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 2341                                   |
| Process                       | Vacuum Seal          | 10225          | 23156                                                   | 9982                                      | 13174                                                      | 28455                              | 0.4630                              | 4734                                   |
| <b>Total Influent</b>         |                      | <b>28455</b>   |                                                         |                                           |                                                            |                                    |                                     |                                        |
| Scrubber Recirculation        |                      | -5056          |                                                         |                                           |                                                            |                                    |                                     |                                        |
| Vacuum Seal Recirculation     |                      | -10225         |                                                         |                                           |                                                            |                                    |                                     |                                        |
| <b>Groundwater Discharged</b> |                      | <b>9982</b>    |                                                         |                                           |                                                            |                                    |                                     |                                        |
| <b>Influent</b>               |                      | <b>23156</b>   |                                                         |                                           |                                                            |                                    |                                     |                                        |
| <b>Total Discharge W/O GW</b> |                      |                |                                                         |                                           |                                                            |                                    |                                     | <b>13174</b>                           |
| <b>Groundwater Discharged</b> |                      |                |                                                         |                                           |                                                            |                                    |                                     | <b>9982</b>                            |
| <b>Total Effluent</b>         |                      |                |                                                         |                                           |                                                            |                                    |                                     | <b>23156</b>                           |

# Table 2 Combined Wastestream Formula Columbus, MS

February 14, 2000

| Combined Wastestream Calculations 40 CFR 403.6(e) |                           |                |                    |                                                     |                                                                            |                 |                |                |                                                     |     |
|---------------------------------------------------|---------------------------|----------------|--------------------|-----------------------------------------------------|----------------------------------------------------------------------------|-----------------|----------------|----------------|-----------------------------------------------------|-----|
| Combined Wastestream Formula<br>40 CFR 403.6(e)   | Alternative Concentration |                |                    |                                                     | Expression Solution<br>(C <sub>1</sub> X F <sub>0</sub> ) / F <sub>1</sub> | Dilution Effect |                |                |                                                     | ALC |
|                                                   | Pretreatment Limit        | Average GPD    | Pretreatment Limit | Expression Solution                                 |                                                                            | Total GPD       | Dilution GPD   | Total GPD      | Expression Solution                                 |     |
|                                                   | C <sub>1</sub>            | F <sub>1</sub> | C <sub>1</sub>     | (C <sub>1</sub> X F <sub>0</sub> ) / F <sub>1</sub> |                                                                            | F <sub>T</sub>  | F <sub>D</sub> | F <sub>D</sub> | (F <sub>T</sub> X F <sub>D</sub> ) / F <sub>D</sub> |     |
| Boulton Subcategory                               | 100                       |                |                    |                                                     |                                                                            |                 |                |                |                                                     |     |
|                                                   |                           |                |                    |                                                     |                                                                            |                 |                |                |                                                     |     |
| WWT Flow Without Recirc/GW                        | 100                       | 26061          | 26061              | 100.0                                               |                                                                            | 28455           | 500            | 28455          | 0.98243                                             |     |
|                                                   |                           |                |                    |                                                     |                                                                            |                 |                |                | 98.24                                               |     |
|                                                   |                           |                |                    |                                                     |                                                                            |                 |                |                |                                                     |     |
| WWT Flow With Recir/GW                            | 100                       | 10780          | 10780              | 100.0                                               |                                                                            | 23156           | 500            | 23156          | 0.97841                                             |     |
|                                                   |                           |                |                    |                                                     |                                                                            |                 |                |                | 97.84                                               |     |

| Pretreatment System Influent      |                            |             |                             |                               | Pretreatment System Effluent      |                            |             |                             |                               |
|-----------------------------------|----------------------------|-------------|-----------------------------|-------------------------------|-----------------------------------|----------------------------|-------------|-----------------------------|-------------------------------|
| Wastewater Sources (GPD)          | WWT Flow Without Recirc/GW |             |                             |                               | Wastewater Sources (GPD)          | WWT Flow With Recirc/GW    |             |                             |                               |
|                                   | KMCLLC                     |             |                             | Total Water<br>F <sub>T</sub> |                                   | KMCLLC                     |             |                             | Total Water<br>F <sub>T</sub> |
|                                   | Dilution<br>F <sub>D</sub> | Unregulated | Regulated<br>F <sub>I</sub> |                               |                                   | Dilution<br>F <sub>D</sub> | Unregulated | Regulated<br>F <sub>I</sub> |                               |
| WW Collection Tank                | 0                          | 0           | 7539                        |                               | WW Collection Tank                | 0                          | 0           | 7539                        |                               |
| Drip Pad Water                    | 0                          | 0           | 1113                        |                               | Drip Pad Water                    | 0                          | 0           | 1113                        |                               |
| Scrubber Knockout                 | 0                          | 0           | 2134                        |                               | Scrubber Knockout                 | 0                          | 0           | 2134                        |                               |
| Reclaim Tank                      | 0                          | 0           | 1576                        |                               | Reclaim Tank                      | 0                          | 0           | 1576                        |                               |
| Vacuum Seal Water                 | 0                          | 0           | 10225                       |                               | Vacuum Seal Water                 | 0                          | 0           | 10225                       |                               |
| Building Sump                     | 0                          | 0           | 3474                        |                               | Building Sump                     | 0                          | 0           | 3474                        |                               |
| Boiler Blowdown                   | 500                        | 0           | 0                           |                               | Boiler Blowdown                   | 500                        | 0           | 0                           |                               |
| Cooling Water Blowdown            | 0                          | 0           | 0                           |                               | CW Blowdown                       | 0                          | 0           | 0                           |                               |
| Tank Farm Stormwater              | 0                          | 1801        | 0                           |                               | Tank Farm Stormwater              | 0                          | 1801        | 0                           |                               |
| Unloading Pad Stormwater          | 0                          | 93          | 0                           |                               | Unloading Pad Stormwater          | 0                          | 93          | 0                           |                               |
|                                   |                            |             | 0                           |                               | Vac Seal Water Recirc.            | 0                          | 0           | -10225                      |                               |
|                                   |                            |             |                             |                               | Scrub Water Recirc.               | 0                          | 0           | -5056                       |                               |
|                                   |                            |             |                             |                               | Contaminated GW                   | 0                          | 9982        | 0                           |                               |
| Sub Totals (Water Before Recycle) | 500                        | 1894        | 26061                       | 28455                         | Sub Totals (Water Before Recycle) | 500                        | 11876       | 10780                       | 23156                         |
| See Water Balance Schematic       |                            |             |                             |                               | See Water Balance Schematic       |                            |             |                             | 0                             |

## **Table 3**

### **Wastewater Classification**

**We have reviewed the regulations contained in 40 CFR 403.6(e) and 40 CFR 429 . Based on this review, we believe the various wastestreams generated by the facility should be classified as follows:**

1) The footnote for "FD (a)" in our view clearly states that wastestreams which result in substantial dilution should be accounted for in the combined wastestream formula. These include comments in :

- a) Boiler blowdown
- b) Non-contact cooling water
- c) Demineralizer backwash

The footnote for "FD(a)" also gives the control authority to classify wastestreams as diluted or unregulated based on information provided by the user.

2. The footnote for "FD (c)" classifies as dilutive, wastestreams pursuant to NRDC Vs. Costle Consent Decree meeting any of four tests.

a) The pollutants of concern are not detectable in the effluent from the industrial user. This is clearly not the case with creosote contaminated groundwater, creosote contaminated tank farm water, and cleaning water used to remove creosote. Visual observations of these waters verifies creosote constituents are present in these wastestreams.

b) The pollutants of concern are present only in trace amounts and are neither causing nor likely to cause toxic effects. This is clearly not the case with groundwater, tank farm water, and cleaning water. These wastes contain pesticides and are listed EPA listed hazardous waste FO34.

c) The pollutants of concern are present in amounts too small to be effectively reduced by technologies known to the administrator. This is clearly not the case with groundwater, tank farm water, and cleaning water. The Columbus industrial pretreatment system effectively reduces the constituent levels as shown by years of monitoring.

d) The wastewater contains only pollutants which are compatible with the general policies of the POTW. We do not believe pesticides are compatible with the POTW and 40 CFR 429 limits pollutants from a wood treating plant for this very reason with categorical standards.

3) The appendix lists industrial subcategories considered to have dilute wastewater for the purpose of the combined Wastestream formula. The timber Products category is listed: however, neither the boulton nor steaming subcategories are listed unlike the barking finishing and hardboard categories.

4) Based on comments 1-3 above we conclude with respect to the combined wastestream formula:

a) The boulton and steaming subcategories are not dilutive.

b) The facility's dilutive wastewater should be limited to boiler blowdown, non-contact cooling water. Stormwater from the tank farms, unloading pad and groundwater should be categorized as unregulated in the compined wastestream formula. See Tables 1 & 2.

c) The POTW can exercise it's discretion

d) The facility's wastewater may not be exempted from categorical pretreatment standards (NRDC Vs. Costle)

5) No other wood preserver in the country, to our knowledge, has groundwater, tank farm water, or cleaning water categorized as dilution water. However, use of the unregulated category provides the same benefit as classifying waters as regulated.

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By:   
Facil ID:

Report #: 13035  
Date: 12/26/96  
Page #: 3

Lab #: 36953.00 Client Ref #: INFLUENT 1-6  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATRY  
Coll. Ending Date: 12/17/96  
Coll. Ending Time: 08:00

Receipt Date: 12/18/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>lyet | Date | Date | Time | Batch<br>Number | Lab<br>Note | Analyte's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | 0.04   | 0.01                            | A            | BH   | N/A  |      | 12/19/96 19:17  | 16722       |                |
| HEXAVALENT CHROMIUM, FLAME AA     | ppm   | ND     | 0.01                            | A            | BH   | N/A  |      | 12/20/96 12:27  | 16734       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH   | N/A  |      | 12/20/96 16:00  | 16737       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A  |      | 12/20/96 09:50  | 16730       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 14.0   | 0.1                             | A            | LT   | N/A  |      | 12/23/96 13:35  | 16745       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A  |      | 12/19/96 14:56  | 16713       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A  |      | 12/20/96 10:02  | 16727       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A  |      | 12/19/96 13:07  | 16719       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A  |      | 12/19/96 19:50  | 16728       |                |
| ZINC, FLAME AA                    | ppm   | 0.10   | 0.01                            | A            | BH   | N/A  |      | 12/19/96 18:33  | 16721       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED



Culpepper Analytical :  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Apprvd By: [Signature]  
Facil ID: 72-87

Report #: 13035  
Date: 12/26/96  
Page #: 2

|                                |                           |
|--------------------------------|---------------------------|
| Lab #:36953.00                 | Client Ref #:INFLUENT 1-6 |
| Sample Description             |                           |
| INFLUENT, GRAB (TWICE MONTHLY) |                           |

sample collected by: BEATTY  
coll. Ending Date: 12/17/96  
coll. Ending Time: 08:00

Receipt Date: 12/18/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount            | Int of Hold Ana-<br>Detect Time | Prep<br>1st Date | Batch<br>(Test) Time | Lab<br>Number        | Note Analyst's Note  |
|----------------------------------------|-------|-------------------|---------------------------------|------------------|----------------------|----------------------|----------------------|
| PHENOLS                                |       |                   |                                 |                  |                      |                      |                      |
| Surr: 2,4,6-TRIBROMOPHENOL             | ppm   | screen<br>91% N/A | screen A                        | JR               | N/A                  | 12/22/96 03:40 16744 |                      |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 2-NITROPHENOL                    |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: 4-NITROPHENOL                    |       | <0.01             | 0.01                            |                  |                      |                      |                      |
| Cmpd: PENTACHLOROPHENOL                |       | 0.1               | 0.01                            |                  |                      |                      |                      |
| Cmpd: PHENOL                           |       | 1.4               | 0.01                            |                  |                      |                      |                      |
| SILVER, FLAME AA                       | ppm   | ND                | 0.02                            | A                | BH                   | N/A                  | 12/20/96 10:35 16732 |
| ARSENIC, FURNACE AA                    | ppm   | ND                | 0.003                           | A                | BH                   | N/A                  | 12/19/96 16:51 16725 |
| BERYLLIUM, FURNACE AA                  | ppm   | ND                | 0.002                           | A                | BH                   | N/A                  | 12/19/96 10:48 16718 |
| CADMIUM, FLAME AA                      | ppm   | ND                | 0.01                            | A                | BH                   | N/A                  | 12/20/96 10:15 16731 |
| CYANIDE                                | ppm   | ND                | 0.02                            | A                | BH                   | N/A                  | 12/19/96 12:14 16712 |
| CHROMIUM, FLAME AA                     | ppm   | ND                | 0.02                            | A                | BH                   | N/A                  | 12/20/96 09:25 16729 |
| Note: Note Description                 |       |                   |                                 |                  |                      |                      |                      |
| A Requirements set by method were met. |       |                   |                                 |                  |                      |                      |                      |
| N/A Not Applicable                     |       |                   |                                 |                  |                      |                      |                      |
| Note: Note Description                 |       |                   |                                 |                  |                      |                      |                      |
| ND NOT DETECTED                        |       |                   |                                 |                  |                      |                      |                      |

Culpepper Analytical  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Apprvd By \_\_\_\_\_  
Facil ID: \_\_\_\_\_

Report #: 13035  
Date: 12/26/96  
Page #: 4

|                                |          |               |               |
|--------------------------------|----------|---------------|---------------|
| Lab #:                         | 36954.00 | Client Ref #: | EFFLUENT 7-12 |
| Sample Description             |          |               |               |
| EFFLUENT, GRAB (TWICE MONTHLY) |          |               |               |

sample collected by: BEATTY  
coll. Ending Date: 12/17/96  
coll. Ending Time: 08:00

Receipt Date: 12/18/96  
Sample Type: GRAB  
Sample Matrix: WATER

| analyte                                | Units | Amount         | Lmt of Hold Ana-Detect Time | Prep Lyet Date | Batch Date Time | Number         | Lab Note       | Analyst's Note |
|----------------------------------------|-------|----------------|-----------------------------|----------------|-----------------|----------------|----------------|----------------|
| BENZOLS                                | ppm   | screen 99% N/A | screen A                    | JH             | N/A             | 12/22/96 03:40 | 16744          |                |
| MUT: 2,4,6-TRIBROMOPHENOL              |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2,4,6-TRICHLOROPHENOL             |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2,4-DIMETHYLPHENOL                |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2,4-DINITROPHENOL                 |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2-CHLOROPHENOL                    |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2-METHYL-4,6-DINITROPHENOL        |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 2-NITROPHENOL                     |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 4-CHLORO-3-METHYLPHENOL           |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: 4-NITROPHENOL                     |       | <0.01          | 0.01                        |                |                 |                |                |                |
| mpd: PENTACHLOROPHENOL                 |       | 0.1            | 0.01                        |                |                 |                |                |                |
| mpd: PHENOL                            |       | 0.7            | 0.01                        |                |                 |                |                |                |
| SILVER, FLAME AA                       | ppm   | ND             | 0.02                        | A              | BH              | N/A            | 12/20/96 10:35 | 16732          |
| ARSENIC, FURNACE AA                    | ppm   | ND             | 0.003                       | A              | BH              | N/A            | 12/19/96 16:51 | 16725          |
| BERTILLIUM, FURNACE AA                 | ppm   | ND             | 0.002                       | A              | BH              | N/A            | 12/19/96 10:48 | 16718          |
| ADDITIONAL FLAME AA                    | ppm   | ND             | 0.01                        | A              | BH              | N/A            | 12/20/96 10:15 | 16731          |
| CYANIDE                                | ppm   | ND             | 0.02                        | A              | BH              | N/A            | 12/19/96 12:14 | 16712          |
| ZERONIUM, FLAME AA                     | ppm   | ND             | 0.02                        | A              | BH              | N/A            | 12/20/96 09:25 | 16729          |
| Note=====Note Description              |       |                |                             |                |                 |                |                |                |
| A Requirements set by method were met. |       |                |                             |                |                 |                |                |                |
| N/A Not Applicable                     |       |                |                             |                |                 |                |                |                |
| Note=====Note Description              |       |                |                             |                |                 |                |                |                |
| ND NOT DETECTED                        |       |                |                             |                |                 |                |                |                |

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13035  
Date: 12/26/96  
Page #: 5

Lab #:36954.00 Client Ref #:EFFLUENT 7-12  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 12/17/96  
Coll. Ending Time: 08:00

Receipt Date: 12/18/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Prep<br>Date | Test<br>Time | Batch<br>Number | Lab<br>Note | Analyte's<br>Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|--------------|--------------|-----------------|-------------|-------------------|
| COPPER, FLAME AA                  | PPM   | 0.01   | 0.01                            | A            | BH   | N/A          | 12/19/96     | 19:17           | 16722       |                   |
| HEXAVALENT CHROMIUM, FLAME AA     | PPM   | ND     | 0.01                            | A            | BH   | N/A          | 12/20/96     | 12:27           | 16734       |                   |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH   | N/A          | 12/20/96     | 16:00           | 16737       |                   |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A          | 12/20/96     | 09:50           | 16730       |                   |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 12.4   | 0.1                             | A            | LT   | N/A          | 12/23/96     | 13:35           | 16745       |                   |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A          | 12/19/96     | 14:56           | 16713       |                   |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A          | 12/20/96     | 10:02           | 16727       |                   |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A          | 12/19/96     | 13:07           | 16719       |                   |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A          | 12/19/96     | 19:50           | 16728       |                   |
| ZINC, FLAME AA                    | PPM   | 0.04   | 0.01                            | A            | BH   | N/A          | 12/19/96     | 18:33           | 16721       |                   |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By: *[Signature]*  
Facil ID:

Report #: 13086  
Date: 01/14/97  
Page #: 3

Lab #: 37088.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERILL  
Coll. Ending Date: 01/08/97  
Coll. Ending Time: 08:00

Receipt Date: 01/09/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Batch<br>Date | Test<br>Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|---------------|--------------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | PPM   | 0.06   | 0.01                            | A            | BH            | N/A          | 01/10/97 13:00  | 16796       |                |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH            | N/A          | 01/09/97 19:35  | 16805       |                |
| MERCURY, COLD VAPOR AA            | PPM   | 0.0004 | 0.0002                          | A            | BH            | N/A          | 01/10/97 23:20  | 16802       |                |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH            | N/A          | 01/10/97 15:50  | 16800       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 5.2    | 0.1                             | A            | LT            | N/A          | 01/14/97 12:10  | 16816       |                |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH            | N/A          | 01/10/97 17:59  | 16810       |                |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH            | N/A          | 01/10/97 19:04  | 16809       |                |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH            | N/A          | 01/10/97 13:44  | 16807       |                |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH            | N/A          | 01/10/97 16:40  | 16808       |                |
| ZINC, FLAME AA                    | PPM   | 0.14   | 0.01                            | A            | BH            | N/A          | 01/10/97 12:11  | 16795       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

Culpepper Analytical  
657 Highway 49 South  
Richland, MS 39218

Apprvd By \_\_\_\_\_  
Facil ID: \_\_\_\_\_

Report #: 13086  
Date: 01/14/97  
Page #: 2

Sample collected by: SHERRI L  
Coll. Ending Date: 01/08/97  
Coll. Ending Time: 08:00

Receipt Date: 01/09/97  
Sample Type: GRAB  
Sample Matrix: WATER

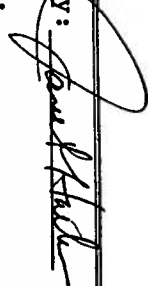
| Allyte                                 | Units | Amount          | Int of Hold Ana-<br>Detect Time lyt | Prep<br>Date | {Test} Batch<br>Date Time Number | Lab<br>Note Analyst's Note |
|----------------------------------------|-------|-----------------|-------------------------------------|--------------|----------------------------------|----------------------------|
| PHENOLS                                | ppm   | screen 102% N/A | screen A                            | JH           | N/A                              | 01/10/97 21:05 16811       |
| Suiri: 2,4,6-TRIBROMOPHENOL            |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 2-NITROPHENOL                    |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: 4-NITROPHENOL                    |       | <0.01           | 0.01                                |              |                                  |                            |
| Cmpd: PENTACHLOROPHENOL                |       | 0.2             | 0.01                                |              |                                  |                            |
| Cmpd: PHENOL                           |       | 0.9             | 0.01                                |              |                                  |                            |
| LIVER, FLAME AA                        | ppm   | ND              | 0.02                                | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/10/97 16:26 16801       |
| ARSENIC, FURNACE AA                    | ppm   | ND              | 0.003                               | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/09/97 23:46 16798       |
| BERYLLIUM, FURNACE AA                  | ppm   | ND              | 0.002                               | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/10/97 12:00 16806       |
| CADMIUM, FLAME AA                      | ppm   | 0.01            | 0.01                                | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/10/97 13:36 16797       |
| CYANIDE                                | ppm   | ND              | 0.02                                | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/09/97 22:44 16804       |
| CHROMIUM, FLAME AA                     | ppm   | ND              | 0.02                                | A            | BH                               | N/A                        |
|                                        |       |                 |                                     |              |                                  | 01/10/97 11:32 16794       |
| Note: Note Description                 |       |                 |                                     |              |                                  |                            |
| A Requirements set by method were met. |       |                 |                                     |              |                                  |                            |
| N/A Not Applicable                     |       |                 |                                     |              |                                  |                            |
| Note: Note Description                 |       |                 |                                     |              |                                  |                            |
| ND NOT DETECTED                        |       |                 |                                     |              |                                  |                            |



# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13086  
Date: 01/14/97  
Page #: 5

Lab #: 37089.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERRILL  
Coll. Ending Date: 01/08/97  
Coll. Ending Time: 08:00

Receipt Date: 01/09/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>1/yr | Date | Batch<br>(---Test---) | Time     | Number | Lab<br>Note | Analyt's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|-----------------------|----------|--------|-------------|---------------|
| COPPER, FLAME AA                  | PPM   | 0.03   | 0.01                            | A            | BH   | N/A                   | 01/10/97 | 13:00  | 16796       |               |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH   | N/A                   | 01/09/97 | 19:35  | 16805       |               |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH   | N/A                   | 01/10/97 | 23:20  | 16802       |               |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A                   | 01/10/97 | 15:50  | 16800       |               |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 12.8   | 0.1                             | A            | LT   | N/A                   | 01/14/97 | 12:10  | 16816       |               |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A                   | 01/10/97 | 17:59  | 16810       |               |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A                   | 01/10/97 | 19:04  | 16809       |               |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A                   | 01/10/97 | 13:44  | 16807       |               |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A                   | 01/10/97 | 16:40  | 16808       |               |
| ZINC, FLAME AA                    | PPM   | 0.04   | 0.01                            | A            | BH   | N/A                   | 01/10/97 | 12:11  | 16795       |               |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpepper Analytical Services,**  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Facil ID:

Report #: 13086  
Date: 01/14/97  
Page #: 4

Lab #:37089.00      Client Ref #:EFFLUENT

Sample Description

EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERILL  
coll. Ending Date: 01/08/97  
coll. Ending Time: 08:00

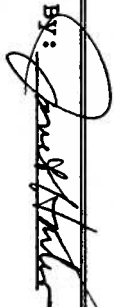
Receipt Date: 01/09/97  
Sample Type: GRAB  
Sample Matrix: WATER

[illegible]

## Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By:   
Facil ID:

Report #: 13126  
Date: 01/30/97  
Page #: 2

Lab #: 37186.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATY  
Coll. Ending Date: 01/21/97  
Coll. Ending Time: 08:00

Receipt Date: 01/22/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount   | Lmt of Hold Ana-<br>Detect Time lyet | Prep<br>Date | {Test} Batch<br>Time Number | Lab<br>Note Analyte's Note |
|----------------------------------------|-------|----------|--------------------------------------|--------------|-----------------------------|----------------------------|
| <b>PHENOLS</b>                         |       |          |                                      |              |                             |                            |
| Surr: 2,4,6-TRIBROMOPHENOL             | ppm   | screen   | screen A                             | JH           | N/A                         | 01/30/97 06:52 16902       |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | 116% N/A | 0.01                                 |              |                             |                            |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 2-NITROPHENOL                    |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: 4-NITROPHENOL                    |       | <0.01    | 0.01                                 |              |                             |                            |
| Cmpd: PENTACHLOROPHENOL                |       | 0.5      | 0.01                                 |              |                             |                            |
| Cmpd: PHENOL                           |       | 2.5      | 0.01                                 |              |                             |                            |
| <b>SILVER, FLAME AA</b>                |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.02                                 | A            | BH                          | N/A 01/27/97 12:33 16880   |
| <b>ARSENIC, FURNACE AA</b>             |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.003                                | A            | BH                          | N/A 01/27/97 12:45 16876   |
| <b>BERYLLIUM, FURNACE AA</b>           |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.002                                | A            | BH                          | N/A 01/27/97 10:03 16875   |
| <b>CADMIUM, FLAME AA</b>               |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.01                                 | A            | BH                          | N/A 01/27/97 11:57 16879   |
| <b>CYANIDE</b>                         |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.02                                 | A            | BH                          | N/A 01/24/97 10:53 16865   |
| <b>CHROMIUM, FLAME AA</b>              |       |          |                                      |              |                             |                            |
|                                        | ppm   | ND       | 0.02                                 | A            | BH                          | N/A 01/27/97 10:26 16877   |
| Note: Note Description                 |       |          | Note: Note Description               |              |                             |                            |
| A Requirements set by method were met. |       |          | ND NOT DETECTED                      |              |                             |                            |
| N/A Not Applicable                     |       |          |                                      |              |                             |                            |

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13126  
Date: 01/30/97  
Page #: 3

Lab #: 37186.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATRY  
Coll. Ending Date: 01/21/97  
Coll. Ending Time: 08:00

Receipt Date: 01/22/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Date | Time           | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|----------------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | PPM   | 0.02   | 0.01                            | A            | BH   | N/A  | 01/24/97 15:59 | 16871           |             |                |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH   | N/A  | 01/22/97 13:20 | 16847           |             |                |
| MERCURY, COLD VAPOR AA            | PPM   | 0.0004 | 0.0002                          | A            | BH   | N/A  | 01/28/97 11:24 | 16887           |             |                |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A  | 01/27/97 11:24 | 16878           |             |                |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 11.6   | 0.1                             | A            | LT   | N/A  | 01/24/97 11:19 | 16866           |             |                |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A  | 01/27/97 14:58 | 16881           |             |                |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A  | 01/28/97 10:55 | 16885           |             |                |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A  | 01/23/97 11:58 | 16856           |             |                |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A  | 01/27/97 15:35 | 16883           |             |                |
| ZINC, FLAME AA                    | PPM   | 0.05   | 0.01                            | A            | BH   | N/A  | 01/24/97 15:32 | 16870           |             |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.**  
657 Highway 49 South  
Richland, MS 39218  
601/932-0201 Office  
601/932-0206 Fax

Report #: 13126  
Date: 01/30/97  
Page #: 4

Receipt Date: 01/22/97  
Sample Type: GRAB  
Sample Matrix: WATER

[illegible]

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By: *[Signature]*  
Facil ID:

Report #: 13126  
Date: 01/30/97  
Page #: 5

Lab #: 37187.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 01/21/97  
Coll. Ending Time: 08:00

Receipt Date: 01/22/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Batch<br>Date | Time | Number | Lab<br>Note | Analyst's Note |
|---------|-------|--------|---------------------------------|--------------|---------------|------|--------|-------------|----------------|
|---------|-------|--------|---------------------------------|--------------|---------------|------|--------|-------------|----------------|

|                                   |     |      |        |   |    |     |                |       |  |
|-----------------------------------|-----|------|--------|---|----|-----|----------------|-------|--|
| COPPER, FLAME AA                  | PPM | 0.01 | 0.01   | A | BE | N/A | 01/24/97 15:59 | 16871 |  |
| HEXAVALENT CHROMIUM               | PPM | ND   | 0.01   | A | BE | N/A | 01/22/97 13:20 | 16847 |  |
| MERCURY, COLD VAPOR AA            | PPM | ND   | 0.0002 | A | BE | N/A | 01/28/97 11:24 | 16887 |  |
| NICKEL, FLAME AA                  | PPM | ND   | 0.05   | A | BE | N/A | 01/27/97 11:24 | 16878 |  |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM | 6.8  | 0.1    | A | LT | N/A | 01/24/97 11:19 | 16866 |  |
| LEAD, FLAME AA                    | PPM | ND   | 0.20   | A | BE | N/A | 01/27/97 14:58 | 16881 |  |
| ANTIMONY, FURNACE AA              | PPM | ND   | 0.005  | A | BE | N/A | 01/28/97 10:55 | 16885 |  |
| SELENIUM, FURNACE AA              | PPM | ND   | 0.005  | A | BE | N/A | 01/23/97 11:58 | 16856 |  |
| THALLIUM, FURNACE AA              | PPM | ND   | 0.006  | A | BE | N/A | 01/27/97 15:35 | 16883 |  |
| ZINC, FLAME AA                    | PPM | 0.04 | 0.01   | A | BE | N/A | 01/24/97 15:32 | 16870 |  |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED



# Analytical Report

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657 Highway 49 South  
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601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13185  
Date: 02/13/97  
Page #: 3

Lab #: 37348.00 Client Ref #: INFLEUNT  
Sample Description  
INFLEUNT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 02/04/97  
Coll. Ending Time: 08:00

Receipt Date: 02/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>Lyst | Date | Time | Batch<br>Number | Lab<br>Note | Analyt's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|-----------------|-------------|---------------|
| COPPER, FLAME AA                  | ppm   | 0.01   | 0.01                            | A            | BH   | N/A  | 02/11/97 11:52  | 16987       |               |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A            | BH   | N/A  | 02/05/97 18:51  | 16952       |               |
| MERCURY, COLD VAPOR AA            | ppm   | 0.0006 | 0.0002                          | A            | BH   | N/A  | 02/12/97 13:20  | 16998       |               |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A  | 02/11/97 13:22  | 16989       |               |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 18.0   | 0.1                             | A            | LT   | N/A  | 02/07/97 11:40  | 16963       |               |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A  | 02/11/97 09:30  | 16995       |               |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A  | 02/10/97 11:52  | 16976       |               |
| BIUM, FURNACE AA                  | ppm   | ND     | 0.005                           | A            | BH   | N/A  | 02/06/97 18:54  | 16961       |               |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A  | 02/07/97 10:15  | 16962       |               |
| ZINC, FLAME AA                    | ppm   | 0.19   | 0.01                            | A            | BH   | N/A  | 02/11/97 10:38  | 16985       |               |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpepper Analytical**  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Apprvd By: FE-SH  
Facil ID:

Report #: 13185  
Date: 02/13/97  
Page #: 2

Lab #:37348.00      Client Ref #:INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 02/04/97  
Coll. Ending Time: 08:00

Receipt Date: 02/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                                                                               | Units | Amount | Lmt of Hold | Ana-<br>Detect Time | Prep<br>lyst | Batch<br>Date | Time     | Number | Lab<br>Note | Analyst's Note |
|-------------------------------------------------------------------------------------------------------|-------|--------|-------------|---------------------|--------------|---------------|----------|--------|-------------|----------------|
| <p>PHENOLS</p> <p>Screen 988 N/A</p>                                                                  |       |        |             |                     |              |               |          |        |             |                |
| Surf: 2,4,6-TRIBROMOPHENOL                                                                            | ppm   | screen | screen A    | JH                  | N/A          | 02/06/97      | 21:35    | 16982  |             |                |
| Compd: 2,4,6-TRICHLOROPHENOL                                                                          |       | 0.01   |             |                     |              |               |          |        |             |                |
| Compd: 2,4-DICHLOROPHENOL                                                                             |       | 0.59   |             |                     |              |               |          |        |             |                |
| Compd: 2,4-DIMETHYLPHENOL                                                                             |       | 0.09   |             |                     |              |               |          |        |             |                |
| Compd: 2,4-DINITROPHENOL                                                                              |       | 0.12   |             |                     |              |               |          |        |             |                |
| Compd: 2-CHLOROPHENOL                                                                                 |       | 0.80   |             |                     |              |               |          |        |             |                |
| Compd: 2-METHYL-4,6-DINITROPHENOL                                                                     |       | 0.10   |             |                     |              |               |          |        |             |                |
| Compd: 2-NITROPHENOL                                                                                  |       | 0.11   |             |                     |              |               |          |        |             |                |
| Compd: 4-CHLORO-3-METHYLPHENOL                                                                        |       | 0.19   |             |                     |              |               |          |        |             |                |
| Compd: 4-NITROPHENOL                                                                                  |       | <0.01  |             |                     |              |               |          |        |             |                |
| Compd: PENTACHLOROPHENOL                                                                              |       | 0.20   |             |                     |              |               |          |        |             |                |
| Compd: PHENOL                                                                                         |       | 0.50   |             |                     |              |               |          |        |             |                |
| SILVER, FLAME AA                                                                                      | ppm   | ND     | 0.02        | A                   | BH           | N/A           | 02/11/97 | 13:58  | 16990       |                |
| SENIC, FURNACE AA                                                                                     | ppm   | ND     | 0.003       | A                   | BH           | N/A           | 02/06/97 | 16:42  | 16959       |                |
| BERYLLIUM, FURNACE AA                                                                                 | ppm   | ND     | 0.002       | A                   | BH           | N/A           | 02/06/97 | 13:41  | 16956       |                |
| CADMIUM, FLAME AA                                                                                     | ppm   | ND     | 0.01        | A                   | BH           | N/A           | 02/11/97 | 12:36  | 16988       |                |
| CYANIDE                                                                                               | ppm   | 0.02   | 0.02        | A                   | BH           | N/A           | 02/12/97 | 16:21  | 17000       |                |
| CHROMIUM, FLAME AA                                                                                    | ppm   | ND     | 0.02        | A                   | BH           | N/A           | 02/11/97 | 11:19  | 16986       |                |
| <p>Note: Note Description</p> <p>A Requirements set by method were met.</p> <p>N/A Not Applicable</p> |       |        |             |                     |              |               |          |        |             |                |
| <p>Note: Note Description</p> <p>ND NOT DETECTED</p>                                                  |       |        |             |                     |              |               |          |        |             |                |

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657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13185  
Date: 02/13/97  
Page #: 5

Lab #: 37349.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 02/04/97  
Coll. Ending Time: 08:00

Receipt Date: 02/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time lyet | Prep<br>Date | Test<br>Date | Batch<br>Time | Number | Lab<br>Note | Analyte's Note |
|-----------------------------------|-------|--------|--------------------------------------|--------------|--------------|---------------|--------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | ND     | 0.01 A                               | BH           | N/A          | 02/11/97      | 11:52  | 16987       |                |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01 A                               | BH           | N/A          | 02/05/97      | 18:51  | 16952       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002 A                             | BH           | N/A          | 02/12/97      | 13:20  | 16998       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05 A                               | BH           | N/A          | 02/11/97      | 13:22  | 16989       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 6.8    | 0.1 A                                | LT           | N/A          | 02/07/97      | 11:40  | 16963       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20 A                               | BH           | N/A          | 02/11/97      | 09:30  | 16995       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005 A                              | BH           | N/A          | 02/10/97      | 11:52  | 16976       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005 A                              | BH           | N/A          | 02/06/97      | 18:54  | 16961       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006 A                              | BH           | N/A          | 02/07/97      | 10:15  | 16962       |                |
| ZINC, FLAME AA                    | ppm   | 0.04   | 0.01 A                               | BH           | N/A          | 02/11/97      | 10:38  | 16985       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

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657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Approved By  
Facil ID:

Report #: 13185  
Date: 02/13/97  
Page #: 4

| Lab #                          | 37349.00 | Client Ref # | EFFLUENT |
|--------------------------------|----------|--------------|----------|
| Sample Description             |          |              |          |
| EFFLUENT, GRAB (TWICE MONTHLY) |          |              |          |

Sample Collected by: BEATTY  
coll. Ending Date: 02/04/97  
coll. Ending Time: 08:00

Receipt Date: 02/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount   | Int of Hold Ana-<br>Detect Time | lyt | Prep<br>Date | {Test} Date | Batch<br>Time | Number         | Lab<br>Note | Analyst's Note |
|----------------------------------------|-------|----------|---------------------------------|-----|--------------|-------------|---------------|----------------|-------------|----------------|
| PHENOLS                                |       |          |                                 |     |              |             |               |                |             |                |
| Surf: 2,4,6-TRIBROMOPHENOL             | ppm   | screen   | screen                          | A   | JH           | N/A         |               | 02/06/97 21:35 | 16982       |                |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | 103% N/A |                                 |     |              |             |               |                |             |                |
| Cmpd: 2,4-DICHLOROPHENOL               |       | 0.02     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2,4-DICHLOROPHENOL               |       | 0.07     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | 0.12     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01    | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2-CHLOROPHENOL                   |       | 0.05     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | 0.05     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 2-NITROPHENOL                    |       | 0.04     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01    | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: 4-NITROPHENOL                    |       | <0.01    | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: PENTACHLOROPHENOL                |       | 0.10     | 0.01                            |     |              |             |               |                |             |                |
| Cmpd: PHENOL                           |       | 0.90     | 0.01                            |     |              |             |               |                |             |                |
| SILVER, FLAME AA                       | ppm   | ND       | 0.02                            | A   | BH           | N/A         |               | 02/11/97 13:58 | 16980       |                |
| ARSENIC, FURNACE AA                    | ppm   | ND       | 0.003                           | A   | BH           | N/A         |               | 02/06/97 16:42 | 16959       |                |
| BERYLLIUM, FURNACE AA                  | ppm   | ND       | 0.002                           | A   | BH           | N/A         |               | 02/06/97 13:41 | 16956       |                |
| CADMIUM, FLAME AA                      | ppm   | ND       | 0.01                            | A   | BH           | N/A         |               | 02/11/97 12:36 | 16988       |                |
| CYANIDE                                | ppm   | ND       | 0.02                            | A   | BH           | N/A         |               | 02/12/97 16:21 | 17000       |                |
| CHROMIUM, FLAME AA                     | ppm   | ND       | 0.02                            | A   | BH           | N/A         |               | 02/11/97 11:19 | 16986       |                |
| Note: Note Description ND              |       |          |                                 |     |              |             |               |                |             |                |
| A Requirements set by method were met. |       |          |                                 |     |              |             |               |                |             |                |
| N/A Not Detectable                     |       |          |                                 |     |              |             |               |                |             |                |

Culpeper Analytical  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Apprvd By: Paul Huth  
Facil ID:

Report #: 13227  
Date: 03/07/97  
Page #: 2

Lab #:37476.00      Client Ref #:INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 02/18/97  
Coll. Ending Time: 08:00

Receipt Date: 02/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                          | Units                                | Amount         | Int of Hold Ana-<br>Detect Time lyst | Prep Date        | {Test—} Batch<br>Date Time Number | Lab<br>Note Analyst's Note |
|----------------------------------|--------------------------------------|----------------|--------------------------------------|------------------|-----------------------------------|----------------------------|
| <b>PHENOLS</b>                   |                                      |                |                                      |                  |                                   |                            |
| Surr: 2,4,6-TRIBROMOPHENOL       | ppm                                  | screen 998 N/A | screen A                             | JH N/A           | 03/06/97 14:26 17125              |                            |
| Cmpd: 2,4,6-TRICHLOROPHENOL      |                                      | 0.09           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2,4-DICHLOROPHENOL         |                                      | 0.01           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2,4-DIMETHYLPHENOL         |                                      | 0.03           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2,4-DINITROPHENOL          |                                      | 0.01           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2-CHLOROPHENOL             |                                      | 0.06           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL |                                      | 0.02           | 0.01                                 |                  |                                   |                            |
| Cmpd: 2-NITROPHENOL              |                                      | 0.08           | 0.01                                 |                  |                                   |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL    |                                      | 0.09           | 0.01                                 |                  |                                   |                            |
| Cmpd: 4-NITROPHENOL              |                                      | 0.10           | 0.01                                 |                  |                                   |                            |
| Cmpd: PENTACHLOROPHENOL          |                                      | 0.04           | 0.01                                 |                  |                                   |                            |
| Cmpd: PHENOL                     |                                      | 0.01           | 0.01                                 |                  |                                   |                            |
| <b>SILVER, FLAME AA</b>          |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.02                                 | A BH N/A         | 02/24/97 09:14 17050              |                            |
| <b>ARSENIC, FURNACE AA</b>       |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.003                                | A BH N/A         | 02/21/97 15:43 17049              |                            |
| <b>BERYLLIUM, FURNACE AA</b>     |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.002                                | A BH N/A         | 02/21/97 12:43 17038              |                            |
| <b>CADMIUM, FLAME AA</b>         |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.01                                 | A BH N/A         | 02/21/97 13:10 17042              |                            |
| <b>CYANIDE</b>                   |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.02                                 | A BH N/A         | 02/21/97 16:00 17047              |                            |
| <b>CHROMIUM, FLAME AA</b>        |                                      |                |                                      |                  |                                   |                            |
|                                  | ppm                                  | ND             | 0.02                                 | A BH N/A         | 02/21/97 12:35 17041              |                            |
| Note=====                        | Note Description                     |                | Note                                 | Note Description |                                   |                            |
| A                                | Requirements set by method were met. |                | ND                                   | NOT DETECTED     |                                   |                            |
| N/A                              | Not Applicable                       |                |                                      |                  |                                   |                            |

# Analytical Report

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657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13227  
Date: 03/07/97  
Page #: 3

Lab #: 37476.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample collected by: BEATTY  
Coll. Ending Date: 02/18/97  
Coll. Ending Time: 08:00

Receipt Date: 02/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Date | Time | Batch<br>Number | Lab<br>Note | Analyte's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | 0.05   | 0.01                            | A            | BH   | N/A  |      | 02/21/97 11:58  | 17040       |                |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A            | BH   | N/A  |      | 02/19/97 11:26  | 17023       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH   | N/A  |      | 02/24/97 12:57  | 17055       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A  |      | 02/21/97 15:20  | 17044       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 12.4   | 0.1                             | A            | LT   | N/A  |      | 02/20/97 17:13  | 17037       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A  |      | 02/24/97 10:30  | 17052       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A  |      | 02/24/97 15:28  | 17056       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A  |      | 02/24/97 10:19  | 17051       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A  |      | 02/24/97 12:36  | 17054       |                |
| ZINC, FLAME AA                    | ppm   | 0.11   | 0.01                            | A            | BH   | N/A  |      | 02/21/97 11:31  | 17039       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED



# Analytical Report

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657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13227  
Date: 03/07/97  
Page #: 5

Lab #: 37477.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 02/18/97  
Coll. Ending Time: 08:00

Receipt Date: 02/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>lgt | Date | Date | Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|-------------|------|------|------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | 0.03   | 0.01                            | A           | BH   | N/A  |      | 02/21/97 11:58  | 17040       |                |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A           | BH   | N/A  |      | 02/19/97 11:26  | 17023       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A           | BH   | N/A  |      | 02/24/97 12:57  | 17055       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A           | BH   | N/A  |      | 02/21/97 15:20  | 17044       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 2.0    | 0.1                             | A           | LT   | N/A  |      | 02/20/97 17:13  | 17037       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A           | BH   | N/A  |      | 02/24/97 10:30  | 17052       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A           | BH   | N/A  |      | 02/24/97 15:28  | 17056       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A           | BH   | N/A  |      | 02/24/97 10:19  | 17051       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A           | BH   | N/A  |      | 02/24/97 12:36  | 17054       |                |
| ZINC, FLAME AA                    | ppm   | 0.04   | 0.01                            | A           | BH   | N/A  |      | 02/21/97 11:31  | 17039       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpepper Analytical**  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Apprvd BY: \_\_\_\_\_  
Facil ID: \_\_\_\_\_

Report #: 13227  
Date: 03/07/97  
Page #: 4

Lab #:37477.00      Client Ref #:EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

sample collected by: BEATTY  
coll. Ending Date: 02/18/97  
coll. Ending Time: 08:00

Receipt Date: 02/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount          | Instr of Hold Ana-<br>Detect Time Iyst | Prep<br>Date | {Test—} Batch<br>Date Time Number | Lab<br>Note Analyt's Note |
|----------------------------------------|-------|-----------------|----------------------------------------|--------------|-----------------------------------|---------------------------|
| PHENOLS                                | ppm   | screen 107% N/A | screen A                               | JH           | N/A                               | 03/06/97 14:26 17125      |
| Surr: 2,4,6-TRIBROMOPHENOL             |       | 0.01            |                                        |              |                                   |                           |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | 0.08            |                                        |              |                                   |                           |
| Cmpd: 2,4-DICHLOROPHENOL               |       | 0.01            |                                        |              |                                   |                           |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01           |                                        |              |                                   |                           |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01           |                                        |              |                                   |                           |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01           |                                        |              |                                   |                           |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | 0.06            |                                        |              |                                   |                           |
| Cmpd: 2-NITROPHENOL                    |       | 0.01            |                                        |              |                                   |                           |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | 0.08            |                                        |              |                                   |                           |
| Cmpd: 4-NITROPHENOL                    |       | 0.02            |                                        |              |                                   |                           |
| Cmpd: PENTACHLOROPHENOL                |       | <0.01           |                                        |              |                                   |                           |
| Cmpd: PHENOL                           |       | 0.01            |                                        |              |                                   |                           |
| SILVER, FLAME AA                       | ppm   | ND              | 0.02                                   | A            | BH                                | N/A 02/24/97 09:14 17050  |
| ARSENIC, FURNACE AA                    | ppm   | ND              | 0.003                                  | A            | BH                                | N/A 02/21/97 15:43 17049  |
| BERYLLIUM, FURNACE AA                  | ppm   | ND              | 0.002                                  | A            | BH                                | N/A 02/21/97 12:43 17038  |
| CADMIUM, FLAME AA                      | ppm   | ND              | 0.01                                   | A            | BH                                | N/A 02/21/97 13:10 17042  |
| CYANIDE                                | ppm   | ND              | 0.02                                   | A            | BH                                | N/A 02/21/97 16:00 17047  |
| CHROMIUM, FLAME AA                     | ppm   | ND              | 0.02                                   | A            | BH                                | N/A 02/21/97 12:35 17041  |
| Note: Note Description                 |       |                 |                                        |              |                                   |                           |
| A Requirements set by method were met. |       |                 |                                        |              |                                   |                           |
| N/A Not Applicable                     |       |                 |                                        |              |                                   |                           |
| Note: Note Description                 |       |                 |                                        |              |                                   |                           |
| ND NOT DETECTED                        |       |                 |                                        |              |                                   |                           |

# Quality Control / Quality Assurance Summary

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By: *Paul Stokes*  
Facil ID:

Report #: 13126  
Date: 01/30/97  
Page #: 1

Acct #: 0431  
Client: COLUMBUS LIGHT & WATER  
Address: PO BOX 949  
City: COLUMBUS, MS 39703  
Contact: TOMMY BEATTY  
Phone: 601/243-7445 Fax:

Contract Descrip: WATER TESTING DEC -96 THRU 5-97  
Project Location: COLUMBUS, MS  
Contract Number : 96.COLUMBUS.001  
Contract PO:  
Expiration Date: 06/30/97

| Analyte                           | Method           | Holding Time | Surrogate Recovery | Mtx spk Recovery | Blank | Batch Number |
|-----------------------------------|------------------|--------------|--------------------|------------------|-------|--------------|
| PHENOLS                           | EPA METHOD 604   | A            | A                  | N/A              | N/A   | 16902        |
| SILVER, FLAME AA                  | EPA METHOD 272.1 | A            | N/A                | N/A              | N/A   | 16880        |
| ARSENIC, FURNACE AA               | EPA METHOD 206.2 | A            | N/A                | N/A              | N/A   | 16876        |
| BERYLLIUM, FURNACE AA             | EPA METHOD 210.2 | A            | N/A                | N/A              | N/A   | 16875        |
| CADMIUM, FLAME AA                 | EPA METHOD 213.1 | A            | N/A                | N/A              | N/A   | 16879        |
| CYANIDE                           | EPA METHOD 335.2 | A            | N/A                | N/A              | N/A   | 16865        |
| CHROMIUM, FLAME AA                | EPA METHOD 218.1 | A            | N/A                | N/A              | N/A   | 16877        |
| COPPER, FLAME AA                  | EPA METHOD 220.1 | A            | N/A                | N/A              | N/A   | 16871        |
| HEXAVALENT CHROMIUM               | EPA METHOD 218.4 | A            | N/A                | N/A              | N/A   | 16847        |
| MERCURY, COLD VAPOR AA            | EPA METHOD 245.1 | A            | N/A                | N/A              | N/A   | 16887        |
| NICKEL, FLAME AA                  | EPA METHOD 249.1 | A            | N/A                | N/A              | N/A   | 16878        |
| OIL AND GREASE, TOTAL RECOVERABLE | EPA METHOD 413.1 | A            | N/A                | N/A              | N/A   | 16866        |
| LEAD, FLAME AA                    | EPA METHOD 239.1 | A            | N/A                | N/A              | N/A   | 16881        |
| ANTIMONY, FURNACE AA              | EPA METHOD 204.2 | A            | N/A                | N/A              | N/A   | 16885        |
| SELENIUM, FURNACE AA              | EPA METHOD 270.2 | A            | N/A                | N/A              | N/A   | 16856        |
| THALLIUM, FURNACE AA              | EPA METHOD 279.2 | A            | N/A                | N/A              | N/A   | 16883        |
| ZINC, FLAME AA                    | EPA METHOD 289.1 | A            | N/A                | N/A              | N/A   | 16870        |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
N/A Not Applicable

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 12969  
Date: 12/17/96  
Page #: 2

Lab #: 36754.00 Client Ref #: INFLUENT 1-6  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 12/03/96  
Coll. Ending Time: 08:00

Receipt Date: 12/04/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount  | Lmt of Hold Ana-<br>Detect Time | Prep<br>Date | Batch<br>Time | Batch<br>Number | Lab<br>Note    | Analyst's Note |
|-----------------------------------|-------|---------|---------------------------------|--------------|---------------|-----------------|----------------|----------------|
| <b>NOIS</b>                       |       |         |                                 |              |               |                 |                |                |
| Sulf: 2,4,6-TRIBROMOPHENOL        | ppm   | screen  | screen A                        | JR           | N/A           | 12/06/96 20:44  | 16689          |                |
| Compd: 2,4,6-TRICHLOROPHENOL      |       | 988 N/A |                                 |              |               |                 |                |                |
| Compd: 2,4-DICHLOROPHENOL         |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 2,4-DIMETHYLPHENOL         |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 2,4-DINITROPHENOL          |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 2-CHLOROPHENOL             |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 2-METHYL-4,6-DINITROPHENOL |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 2-NITROPHENOL              |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 4-CHLORO-3-METHYLPHENOL    |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: 4-NITROPHENOL              |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: PENTACHLOROPHENOL          |       | <0.01   | 0.01                            |              |               |                 |                |                |
| Compd: PHENOL                     |       | 0.1     | 0.01                            |              |               |                 |                |                |
|                                   |       | 0.5     | 0.01                            |              |               |                 |                |                |
| <b>SILVER, FLAME AA</b>           |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.02                            | A            | BH            | N/A             | 12/06/96 10:26 | 16643          |
| <b>NIC, FURNACE AA</b>            |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.003                           | A            | BH            | N/A             | 12/05/96 16:02 | 16650          |
| <b>BERYLLIUM, FURNACE AA</b>      |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.002                           | A            | BH            | N/A             | 12/05/96 11:38 | 16648          |
| <b>CADMIUM, FLAME AA</b>          |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.01                            | A            | BH            | N/A             | 12/05/96 17:31 | 16641          |
| <b>CYANIDE</b>                    |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.02                            | A            | BH            | N/A             | 12/17/96 11:50 | 16704          |
| <b>CHROMIUM, FLAME AA</b>         |       |         |                                 |              |               |                 |                |                |
|                                   | ppm   | ND      | 0.02                            | A            | BH            | N/A             | 12/05/96 15:02 | 16636          |

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By: *[Signature]*  
Facil ID:

Report # 12469  
Date: 12/17/96  
Page #: 3

Lab #: 36754.00 Client Ref #: INFLUENT 1-6  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 12/03/96  
Coll. Ending Time: 08:00

Receipt Date: 12/04/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ans-<br>Detect Time | Prep<br>1st | Date | Test<br>Date | Batch<br>Time | Number | Lab<br>Note | Analyt's Note |
|-----------------------------------|-------|--------|---------------------------------|-------------|------|--------------|---------------|--------|-------------|---------------|
| COPPER, FLAME AA                  | ppm   | 0.06   | 0.01                            | A           | BH   | N/A          | 12/05/96      | 13:12  | 16635       |               |
| HEXAVALENT CHROMIUM, FLAME AA     | ppm   | ND     | 0.01                            | A           | BH   | N/A          | 12/04/96      | 17:03  | 16638       |               |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A           | BH   | N/A          | 12/05/96      | 13:30  | 16655       |               |
| NICKEL, FLAME AA                  | ppm   | 0.09   | 0.05                            | A           | BH   | N/A          | 12/05/96      | 15:26  | 16637       |               |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 19.6   | 0.1                             | A           | LT   | N/A          | 12/06/96      | 11:40  | 16654       |               |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A           | BH   | N/A          | 12/06/96      | 10:00  | 16642       |               |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A           | BH   | N/A          | 12/05/96      | 10:02  | 16653       |               |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A           | BH   | N/A          | 12/05/96      | 13:35  | 16649       |               |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A           | BH   | N/A          | 12/05/96      | 18:08  | 16652       |               |
| ZINC, FLAME AA                    | ppm   | 0.09   | 0.01                            | A           | BH   | N/A          | 12/05/96      | 12:55  | 16634       |               |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

Culpeper Analytical  
657 Highway 49 South  
Richland, MS 39218

**BIO LABS, INC.**  
601/932-0201 Office  
601/932-0206 Fax

Facil ID:

Report #: 12969  
Date: 12/17/96  
Page #: 4

Lab #:36755.00 Client Ref #:EFFLUENT 7-12

**SAMPLE DESCRIPTION**  
**EFFLUENT, GRAB (TWICE MONTHLY)**

Sample collected by: BEATRY  
coll. Ending Date: 12/03/96  
coll. Ending Time: 08:00

Receipt Date: 12/04/96  
Sample Type: GRAB  
Sample Matrix: WATER

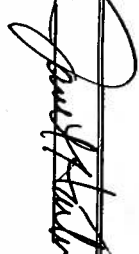
| Analyte                                | Units | Amount            | Lmt of Hold<br>Detect Time | Ana-<br>lyst | Prep<br>Date | {Test} | Batch<br>Number | Lab<br>Note | Analyst's Note |
|----------------------------------------|-------|-------------------|----------------------------|--------------|--------------|--------|-----------------|-------------|----------------|
| <b>PHENOLS</b>                         |       |                   |                            |              |              |        |                 |             |                |
| Surf: 2,4,6-TRIBROMOPHENOL             | ppm   | screen<br>98% N/A | screen A                   | JH           | N/A          |        | 12/06/96 20:44  | 16689       |                |
| Compd: 2,4,6-TRICHLOROPHENOL           |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2,4-DICHLOROPHENOL              |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2,4-DIMETHYLPHENOL              |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2,4-DINITROPHENOL               |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2-CHLOROPHENOL                  |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2-METHYL-4,6-DINITROPHENOL      |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 2-NITROPHENOL                   |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 4-CHLORO-3-METHYLPHENOL         |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: 4-NITROPHENOL                   |       | <0.01             | 0.01                       |              |              |        |                 |             |                |
| Compd: PENTACHLOROPHENOL               |       | 0.2               | 0.01                       |              |              |        |                 |             |                |
| Compd: PHENOL                          |       | 0.3               | 0.01                       |              |              |        |                 |             |                |
| SILVER, FLAME AA                       | ppm   | ND                | 0.02                       | A            | BH           | N/A    | 12/06/96 10:26  | 16643       |                |
| ARSENIC, FURNACE AA                    | ppm   | ND                | 0.003                      | A            | BH           | N/A    | 12/05/96 16:02  | 16650       |                |
| BERYLLIUM, FURNACE AA                  | ppm   | ND                | 0.002                      | A            | BH           | N/A    | 12/05/96 11:38  | 16648       |                |
| CADMIUM, FLAME AA                      | ppm   | ND                | 0.01                       | A            | BH           | N/A    | 12/05/96 17:31  | 16641       |                |
| CYANIDE                                | ppm   | ND                | 0.02                       | A            | BH           | N/A    | 12/17/96 11:50  | 16704       |                |
| CHROMIUM, FLAME AA                     | ppm   | ND                | 0.02                       | A            | BH           | N/A    | 12/05/96 15:02  | 16636       |                |
| Note: Note Description                 |       |                   |                            |              |              |        |                 |             |                |
| A Requirements set by method were met. |       |                   |                            |              |              |        |                 |             |                |
| N/A Not Applicable                     |       |                   |                            |              |              |        |                 |             |                |
| ND NOT DETECTED                        |       |                   |                            |              |              |        |                 |             |                |



# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By:   
Facil ID:

Report #: 12969  
Date: 12/17/96  
Page #: 5

Lab #: 36755.00 Client Ref #: EFFLUENT 7-12  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATRY  
Coll. Ending Date: 12/03/96  
Coll. Ending Time: 08:00

Receipt Date: 12/04/96  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>lyst | Batch<br>Date | Time | Number         | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|---------------|------|----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | ND     | 0.01                            | A            | BH            | N/A  | 12/05/96 13:12 | 16635       |                |
| HEXAVALENT CHROMIUM, FLAME AA     | ppm   | ND     | 0.01                            | A            | BH            | N/A  | 12/04/96 17:03 | 16638       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH            | N/A  | 12/05/96 13:30 | 16655       |                |
| NICKEL, FLAME AA                  | ppm   | 0.06   | 0.05                            | A            | BH            | N/A  | 12/05/96 15:26 | 16637       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 6.4    | 0.1                             | A            | LT            | N/A  | 12/06/96 11:40 | 16654       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH            | N/A  | 12/06/96 10:00 | 16642       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH            | N/A  | 12/05/96 10:02 | 16653       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH            | N/A  | 12/05/96 13:35 | 16649       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH            | N/A  | 12/05/96 18:08 | 16652       |                |
| ZINC, FLAME AA                    | ppm   | 0.02   | 0.01                            | A            | BH            | N/A  | 12/05/96 12:55 | 16634       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

Culpepper Analytical  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

**Facil ID:**

Report #: 13269  
Date: 03/07/97  
Page #: 2

Lab #:37559.00      Client Ref #:INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

sample collected by: BEATRY  
coll. Ending Date: 03/04/97  
coll. Ending Time: 08:00

Receipt Date: 03/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount             | Lmt of Hold Ana-<br>Detect Time lyet | Prep Date | {---Test---} Batch<br>Date Time Number | Lab<br>Note Analyst's Note |
|----------------------------------------|-------|--------------------|--------------------------------------|-----------|----------------------------------------|----------------------------|
| PHENOLS                                | ppm   | screen<br>101% N/A | screen A                             | JH        | N/A                                    | 03/06/97 14:26 17125       |
| Surr: 2,4,6-TRIBROMOPHENOL             |       | 0.01               | 0.01                                 |           |                                        |                            |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | 0.02               | 0.01                                 |           |                                        |                            |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 2-NITROPHENOL                    |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | 0.01               | 0.01                                 |           |                                        |                            |
| Cmpd: 4-NITROPHENOL                    |       | <0.01              | 0.01                                 |           |                                        |                            |
| Cmpd: PENTACHLOROPHENOL                |       | 0.06               | 0.01                                 |           |                                        |                            |
| Cmpd: PHENOL                           |       | 0.07               | 0.01                                 |           |                                        |                            |
| SILVER, FLAME AA                       | ppm   | ND                 | 0.02                                 | A         | BH                                     | N/A 03/06/97 16:49 17119   |
| ARSENIC, FURNACE AA                    | ppm   | ND                 | 0.003                                | A         | BH                                     | N/A 03/06/97 17:18 17114   |
| BERYLLIUM, FURNACE AA                  | ppm   | ND                 | 0.002                                | A         | BH                                     | N/A 03/06/97 11:51 17108   |
| CADMIUM, FLAME AA                      | ppm   | ND                 | 0.01                                 | A         | BH                                     | N/A 03/06/97 15:34 17126   |
| CYANIDE                                | ppm   | ND                 | 0.02                                 | A         | BH                                     | N/A 03/07/97 14:56 17133   |
| CHROMIUM, FLAME AA                     | ppm   | ND                 | 0.02                                 | A         | BH                                     | N/A 03/06/97 14:40 17117   |
| Note: Note Description                 |       |                    | ND                                   |           |                                        | Note Description           |
| A Requirements set by method were met. |       |                    |                                      |           |                                        |                            |
| N/A Not Applicable                     |       |                    |                                      |           |                                        | NOT DETECTED               |

# Analytical Report

**Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.**  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 office  
601/932-0206 fax

Approved By:   
Facil ID:

Report #: 13269  
Date: 03/07/97  
Page #: 3

Lab #: 37559.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATY  
Coll. Ending Date: 03/04/97  
Coll. Ending Time: 08:00

Receipt Date: 03/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time 1/yr | Prep<br>Date | Test<br>Date | Batch<br>Time Number | Lab<br>Note Analyst's Note |
|-----------------------------------|-------|--------|--------------------------------------|--------------|--------------|----------------------|----------------------------|
| COPPER, FLAME AA                  | ppm   | 0.01   | 0.01 A                               | BH           | N/A          | 03/06/97 14:08 17116 |                            |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01 A                               | BH           | N/A          | 03/05/97 12:45 17096 |                            |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002 A                             | BH           | N/A          | 03/07/97 11:12 17131 |                            |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05 A                               | BH           | N/A          | 03/06/97 16:18 17118 |                            |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 7.6    | 0.1 A                                | LT           | N/A          | 03/06/97 16:27 17113 |                            |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20 A                               | BH           | N/A          | 03/07/97 09:45 17128 |                            |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005 A                              | BH           | N/A          | 03/07/97 13:25 17134 |                            |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005 A                              | BH           | N/A          | 03/07/97 10:27 17132 |                            |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006 A                              | BH           | N/A          | 03/06/97 14:06 17112 |                            |
| ZINC, FLAME AA                    | ppm   | 0.06   | 0.01 A                               | BH           | N/A          | 03/06/97 13:43 17115 |                            |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpeper Analytical**  
657 Highway 49 South  
Richland, MS 39218

**-Bio Labs, Inc.**  
**601/932-0201 Office**  
**601/932-0206 Fax**

**Facil ID:**

Report #: 13269  
Date: 03/07/97  
Page #: 4

Lab #:37560.00 Client Ref #:EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
coll. Ending Date: 03/04/97  
coll. Ending Time: 08:00

Receipt Date: 03/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount          | Lmt of Hold Ana-<br>Detect Time lyet | Prep<br>Date | { Test } Batch<br>Time Number | Lab<br>Note Analyst's Note |
|----------------------------------------|-------|-----------------|--------------------------------------|--------------|-------------------------------|----------------------------|
| PHENOLS                                | ppm   | screen 103% N/A | screen A                             | JH           | N/A                           | 03/06/97 14:26 17125       |
| Surt: 2,4,6-TRIBROMOPHENOL             |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | 0.01            | 0.01                                 |              |                               |                            |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 2-NITROPHENOL                    |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: 4-NITROPHENOL                    |       | <0.01           | 0.01                                 |              |                               |                            |
| Cmpd: PENTACHLOROPHENOL                |       | 0.01            | 0.01                                 |              |                               |                            |
| Cmpd: PHENOL                           |       | <0.01           | 0.01                                 |              |                               |                            |
| SILVER, FLAME AA                       | PPM   | ND              | 0.02                                 | A            | BH                            | N/A 03/06/97 16:49 17119   |
| ARSENIC, FURNACE AA                    | PPM   | ND              | 0.003                                | A            | BH                            | N/A 03/06/97 17:18 17114   |
| BERYLLIUM, FURNACE AA                  | PPM   | ND              | 0.002                                | A            | BH                            | N/A 03/06/97 11:51 17108   |
| CADMIUM, FLAME AA                      | PPM   | ND              | 0.01                                 | A            | BH                            | N/A 03/06/97 15:34 17126   |
| CTANIDE                                | PPM   | ND              | 0.02                                 | A            | BH                            | N/A 03/07/97 14:56 17133   |
| CHROMIUM, FLAME AA                     | PPM   | ND              | 0.02                                 | A            | BH                            | N/A 03/06/97 14:40 17117   |
| Note Description                       |       |                 |                                      |              |                               |                            |
| A Requirements set by method were met. |       |                 |                                      |              |                               |                            |
| N/A Not Applicable                     |       |                 |                                      |              |                               |                            |
| Note Description                       |       |                 |                                      |              |                               |                            |
| ND NOT DETECTED                        |       |                 |                                      |              |                               |                            |

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13269  
Date: 03/07/97  
Page #: 5

Lab #: 37560.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 03/04/97  
Coll. Ending Time: 08:00

Receipt Date: 03/05/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>Lyst | Date | Batch<br>Time | Number         | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|---------------|----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | ND     | 0.01                            | A            | BH   | N/A           | 03/06/97 14:08 | 17116       |                |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A            | BH   | N/A           | 03/05/97 12:45 | 17096       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH   | N/A           | 03/07/97 11:12 | 17131       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A           | 03/06/97 16:18 | 17118       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 2.4    | 0.1                             | A            | LT   | N/A           | 03/06/97 16:27 | 17113       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A           | 03/07/97 09:45 | 17128       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A           | 03/07/97 13:25 | 17134       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A           | 03/07/97 10:27 | 17132       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A           | 03/06/97 14:06 | 17112       |                |
| ZINC, FLAME AA                    | ppm   | 0.05   | 0.01                            | A            | BH   | N/A           | 03/06/97 13:43 | 17115       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

|                                                                                                    |                  |
|----------------------------------------------------------------------------------------------------|------------------|
| Approved By:  | Report #: 133339 |
| Facil ID:                                                                                          | Date: 03/27      |
|                                                                                                    | Page #: 2        |

Receipt Date: 03/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                          | Units                                | Amount             | Imt of Hold Ana-<br>Detect Time lyet | Prep<br>Date | {Test—} Batch<br>Date Time Number | Lab<br>Note Analyst's Note |
|----------------------------------|--------------------------------------|--------------------|--------------------------------------|--------------|-----------------------------------|----------------------------|
| PHENOLS                          | ppm                                  | screen<br>1068 N/A | screen A                             | JH           | N/A                               | 03/25/97 16:35 17248       |
| Surr: 2,4,6-Trichlorophenol.     |                                      | <0.01              |                                      |              |                                   |                            |
| Cmpd: 2,4,6-Trichlorophenol      |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2,4-Dichlorophenol         |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2,4-Dimethylphenol         |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2,4-Dinitrophenol          |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2-Chlorophenol             |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2-Methyl-4,6-dinitrophenol |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 2-Nitrophenol              |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 4-chloro-3-methylphenol    |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: 4-nitrophenol              |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: pentachlorophenol          |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| Cmpd: phenol                     |                                      | <0.01              | 0.01                                 |              |                                   |                            |
| SILVER, FLAME AA                 | ppm                                  | ND                 | 0.02                                 | A            | BH                                | N/A 03/26/97 10:20 17251   |
| ARSENIC, FURNACE AA              | ppm                                  | ND                 | 0.003                                | A            | BH                                | N/A 03/25/97 11:57 17231   |
| BERYLLIUM, FURNACE AA            | ppm                                  | ND                 | 0.002                                | A            | BH                                | N/A 03/25/97 10:09 17229   |
| CADMIUM, FLAME AA                | ppm                                  | ND                 | 0.01                                 | A            | BH                                | N/A 03/25/97 16:10 17241   |
| CYANIDE                          | ppm                                  | ND                 | 0.02                                 | A            | BH                                | N/A 03/20/97 13:15 17209   |
| CHROMIUM, FLAME AA               | ppm                                  | 0.03               | 0.02                                 | A            | BH                                | N/A 03/25/97 15:40 17240   |
| Note=====                        | Note Description                     | Note               | Note Description                     | Note         | Note Description                  | Note                       |
| A                                | Requirements set by method were met. | ND                 | NOT DETECTED                         |              |                                   |                            |
| N/A                              | Not Applicable                       |                    |                                      |              |                                   |                            |

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13339  
Date: 03/27/97  
Page #: 3

Lab #: 37687.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATY  
Coll. Ending Date: 03/18/97  
Coll. Ending Time: 08:00

Receipt Date: 03/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>Lyst | Batch<br>Date | Time | Number         | Lab<br>Note | Analyt's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|---------------|------|----------------|-------------|---------------|
| COPPER, FLAME AA                  | ppm   | 0.06   | 0.01                            | A            | BH            | N/A  | 03/25/97 14:46 | 17239       |               |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A            | BH            | N/A  | 03/24/97 10:38 | 17223       |               |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH            | N/A  | 03/27/97 11:00 | 17260       |               |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH            | N/A  | 03/26/97 09:19 | 17249       |               |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 19.2   | 0.1                             | A            | LT            | N/A  | 03/20/97 15:30 | 17212       |               |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH            | N/A  | 03/20/97 10:59 | 17208       |               |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH            | N/A  | 03/26/97 10:31 | 17253       |               |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH            | N/A  | 03/25/97 14:22 | 17242       |               |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH            | N/A  | 03/25/97 16:47 | 17243       |               |
| ZINC, FLAME AA                    | ppm   | 0.06   | 0.01                            | A            | BH            | N/A  | 03/25/97 12:00 | 17238       |               |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED



# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved by: *[Signature]* Report #: 13339  
Date: 03/27/97  
Page #: 4

Lab #: 37688.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 03/18/97  
Coll. Ending Time: 08:00

Receipt Date: 03/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                          | Units | Amount  | Int of Hold Ana-<br>Detect Time | Prep<br>Lyst | Date | Batch<br>Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|----------------------------------|-------|---------|---------------------------------|--------------|------|---------------|-----------------|-------------|----------------|
| <b>PHENOLS</b>                   |       |         |                                 |              |      |               |                 |             |                |
| Surf: 2,4,6-TRIBROMOPHENOL       | ppm   | screen  | screen A                        | JH           | N/A  | 03/25/97      | 16:35           | 17248       |                |
| Cmpd: 2,4,6-TRICHLOROPHENOL      |       | 988 N/A | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2,4-DICHLOROPHENOL         |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2,4-DIMETHYLPHENOL         |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2,4-DINITROPHENOL          |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2-CHLOROPHENOL             |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 2-NITROPHENOL              |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 4-CHLORO-3-METHYLPHENOL    |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: 4-NITROPHENOL              |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: PENTACHLOROPHENOL          |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| Cmpd: PHENOL                     |       | <0.01   | 0.01                            |              |      |               |                 |             |                |
| <b>SILVER, FLAME AA</b>          |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.02                            | A            | BH   | N/A           | 03/26/97        | 10:20       | 17251          |
| <b>ARSENIC, FURNACE AA</b>       |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.003                           | A            | BH   | N/A           | 03/25/97        | 11:57       | 17231          |
| <b>BERYLLIUM, FURNACE AA</b>     |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.002                           | A            | BH   | N/A           | 03/25/97        | 10:09       | 17229          |
| <b>CADMIUM, FLAME AA</b>         |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.01                            | A            | BH   | N/A           | 03/25/97        | 16:10       | 17241          |
| <b>CYANIDE</b>                   |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.02                            | A            | BH   | N/A           | 03/20/97        | 13:15       | 17209          |
| <b>CHROMIUM, FLAME AA</b>        |       |         |                                 |              |      |               |                 |             |                |
|                                  | ppm   | ND      | 0.02                            | A            | BH   | N/A           | 03/25/97        | 15:40       | 17240          |

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved by: *[Signature]*  
Facil ID:

Report #: 13339  
Date: 03/27/97  
Page #: 5

Lab #: 37688.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample collected by: BEATTY  
Coll. Ending Date: 03/18/97  
Coll. Ending Time: 08:00

Receipt Date: 03/18/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Date | Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | PPM   | 0.01   | 0.01                            | A            | BH   | N/A  |      | 03/25/97 14:46  | 17239       |                |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH   | N/A  |      | 03/24/97 10:38  | 17223       |                |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH   | N/A  |      | 03/27/97 11:00  | 17260       |                |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A  |      | 03/26/97 09:19  | 17249       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 4.8    | 0.1                             | A            | LT   | N/A  |      | 03/20/97 15:30  | 17212       |                |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A  |      | 03/20/97 10:59  | 17208       |                |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A  |      | 03/26/97 10:31  | 17253       |                |
| BERYLLIUM, FURNACE AA             | PPM   | ND     | 0.005                           | A            | BH   | N/A  |      | 03/25/97 14:22  | 17242       |                |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A  |      | 03/25/97 16:47  | 17243       |                |
| ZINC, FLAME AA                    | PPM   | 0.03   | 0.01                            | A            | BH   | N/A  |      | 03/25/97 12:00  | 17238       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 office  
601/932-0206 Fax

Approved By: *[Signature]* Report #: 13438  
Date: 04/16/97  
Facil ID: Page #: 2

Lab #: 37894.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATY  
Coll. Ending Date: 04/08/97  
Coll. Ending Time: 08:00

Receipt Date: 04/08/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                          | Units | Amount   | Lmt of Hold Ana-<br>Detect Time | Prep<br>lyst | Test<br>Date | Batch<br>Time | Number   | Lab<br>Note | Analyst's Note |
|----------------------------------|-------|----------|---------------------------------|--------------|--------------|---------------|----------|-------------|----------------|
| PHENOLS                          | ppm   | screen   | screen A                        | JH           | N/A          | 04/11/97      | 14:20    | 17408       |                |
| Surf: 2,4,6-TRIBROMOPHENOL       |       | 106% N/A |                                 |              |              |               |          |             |                |
| Cmpd: 2,4,6-TRICHLOROPHENOL      |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2,4-DICHLOROPHENOL         |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2,4-DIMETHYLPHENOL         |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2,4-DINITROPHENOL          |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2-CHLOROPHENOL             |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 2-NITROPHENOL              |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 4-CHLORO-3-METHYLPHENOL    |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: 4-NITROPHENOL              |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: PENTACHLOROPHENOL          |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| Cmpd: PHENOL                     |       | <0.01    | 0.01                            |              |              |               |          |             |                |
| SILVER, FLAME AA                 | ppm   | ND       | 0.02                            | A            | BH           | N/A           | 04/11/97 | 11:40       | 17385          |
| ARSENIC, FURNACE AA              | ppm   | ND       | 0.003                           | A            | BH           | N/A           | 04/11/97 | 12:23       | 17379          |
| BERYLLIUM, FURNACE AA            | ppm   | ND       | 0.002                           | A            | BH           | N/A           | 04/11/97 | 10:14       | 17378          |
| CADMIUM, FLAME AA                | ppm   | ND       | 0.01                            | A            | BH           | N/A           | 04/11/97 | 10:23       | 17383          |
| CYANIDE                          | ppm   | ND       | 0.02                            | A            | BH           | N/A           | 04/15/97 | 11:58       | 17413          |
| CHROMIUM, FLAME AA               | ppm   | ND       | 0.02                            | A            | BH           | N/A           | 04/11/97 | 09:32       | 17381          |

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13438  
Date: 04/16/97  
Page #: 3

Lab #: 37894.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 04/08/97  
Coll. Ending Time: 08:00

Receipt Date: 04/08/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>Lyst | Batch<br>Date | Time | Number         | Lab<br>Note | Analyt's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|---------------|------|----------------|-------------|---------------|
| COPPER, FLAME AA                  | PPM   | 0.03   | 0.01                            | A            | BH            | N/A  | 04/11/97 09:58 | 17382       |               |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH            | N/A  | 04/14/97 15:26 | 17404       |               |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH            | N/A  | 04/14/97 09:45 | 17400       |               |
| NICKEL, FLAME AA                  | PPM   | 0.09   | 0.05                            | A            | BH            | N/A  | 04/11/97 11:01 | 17384       |               |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 13.6   | 0.1                             | A            | LT            | N/A  | 04/09/97 14:57 | 17363       |               |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH            | N/A  | 04/11/97 12:31 | 17386       |               |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH            | N/A  | 04/14/97 10:50 | 17402       |               |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH            | N/A  | 04/11/97 14:52 | 17390       |               |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH            | N/A  | 04/11/97 16:53 | 17392       |               |
| ZINC, FLAME AA                    | PPM   | 0.06   | 0.01                            | A            | BH            | N/A  | 04/11/97 09:07 | 17380       |               |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13438  
Date: 04/16/97  
Page #: 4

Lab #: 37895.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 04/08/97  
Coll. Ending Time: 08:00

Receipt Date: 04/08/97  
Sample Type: GRAB  
Sample Matrix: WATER

Analyte

| Unit | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Batch<br>Time | Number | Lab<br>Note | Analyst's Note |
|------|--------|---------------------------------|--------------|------|---------------|--------|-------------|----------------|
|------|--------|---------------------------------|--------------|------|---------------|--------|-------------|----------------|

PHENOLS

SURT: 2,4,6-TRIBROMOPHENOL

Cmpd: 2,4,6-TRICHLOROPHENOL

Cmpd: 2,4-DICHLOROPHENOL

Cmpd: 2,4-DIMETHYLPHENOL

Cmpd: 2,4-DINITROPHENOL

Cmpd: 2-CHLOROPHENOL

Cmpd: 2-METHYL-4,6-DINITROPHENOL

Cmpd: 2-NITROPHENOL

Cmpd: 4-CHLORO-3-METHYLPHENOL

Cmpd: 4-NITROPHENOL

Cmpd: PENTACHLOROPHENOL

Cmpd: PHENOL

SILVER, FLAME AA

ARSENIC, FURNACE AA

BERYLLIUM, FURNACE AA

CADMIUM, FLAME AA

CYANIDE

CHROMIUM, FLAME AA

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

|     |    |       |   |    |     |                |       |  |
|-----|----|-------|---|----|-----|----------------|-------|--|
| PPM | ND | 0.02  | A | BH | N/A | 04/11/97 11:40 | 17385 |  |
| PPM | ND | 0.003 | A | BH | N/A | 04/11/97 12:23 | 17379 |  |
| PPM | ND | 0.002 | A | BH | N/A | 04/11/97 10:14 | 17378 |  |
| PPM | ND | 0.01  | A | BH | N/A | 04/11/97 10:23 | 17383 |  |
| PPM | ND | 0.02  | A | BH | N/A | 04/15/97 11:58 | 17413 |  |
| PPM | ND | 0.02  | A | BH | N/A | 04/11/97 09:32 | 17381 |  |

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:  
Report #: 13438  
Date: 04/16/97  
Page #: 5

Lab #: 37895.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATY  
Coll. Ending Date: 04/08/97  
Coll. Ending Time: 08:00

Receipt Date: 04/08/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>lyet | Date | Test<br>Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|--------------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | PPM   | 0.01   | 0.01                            | A            | BH   | N/A          | 04/11/97 09:58  | 17382       |                |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH   | N/A          | 04/14/97 15:26  | 17404       |                |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH   | N/A          | 04/14/97 09:45  | 17400       |                |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A          | 04/11/97 11:01  | 17384       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | ND     | 0.1                             | A            | LT   | N/A          | 04/09/97 14:57  | 17363       |                |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A          | 04/11/97 12:31  | 17386       |                |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A          | 04/14/97 10:50  | 17402       |                |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A          | 04/11/97 14:52  | 17390       |                |
| THALLIUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A          | 04/11/97 16:53  | 17392       |                |
| ZINC, FLAME AA                    | PPM   | 0.02   | 0.01                            | A            | BH   | N/A          | 04/11/97 09:07  | 17380       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

Culpeper Analytical  
657 Highway 49 South  
Richland, MS 39218

**Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Facil ID:

Report #: 13489  
Date: 05/02/97  
Page #: 2

Lab #:38028.00      Client Ref #:INFLUENTI

Sample Description

INFLUENT, GRAB (TWICE MONTHLY)

sample collected by: BEATTY  
coll. Ending Date: 04/22/97  
coll. Ending Time: 08:00

Receipt Date: 04/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount          | Int of Hold Ana-<br>Defect Time Iyst | Prep<br>Date | Batch<br>Time | Lab<br>Number        | Note<br>Analyst's Note |
|----------------------------------------|-------|-----------------|--------------------------------------|--------------|---------------|----------------------|------------------------|
| <b>PHENOLS</b>                         |       |                 |                                      |              |               |                      |                        |
| Sub: 2,4,6-TRIBROMOPHENOL              | ppm   | screen 105% N/A | screen A                             | JH           | N/A           | 04/25/97 17:20 17500 |                        |
| Compd: 2,4,6-TRICHLOROPHENOL           |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2,4-DICHLOROPHENOL              |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2,4-DIMETHYLPHENOL              |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2,4-DINITROPHENOL               |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2-CHLOROPHENOL                  |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2-METHYL-4,6-DINITROPHENOL      |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 2-NITROPHENOL                   |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 4-CHLORO-3-METHYLPHENOL         |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: 4-NITROPHENOL                   |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: PENTACHLOROPHENOL               |       | <0.01           | 0.01                                 |              |               |                      |                        |
| Compd: PHENOL                          |       | <0.01           | 0.01                                 |              |               |                      |                        |
| SILVER, FLAME AA                       | ppm   | ND              | 0.02                                 | A            | BH            | N/A                  | 04/28/97 12:20 17494   |
| ARSENIC, PUPHAGE AA                    | ppm   | ND              | 0.003                                | A            | BH            | N/A                  | 04/30/97 10:12 17505   |
| BERYLLIUM, FURNACE AA                  | ppm   | ND              | 0.002                                | A            | BH            | N/A                  | 04/30/97 15:00 17510   |
| CADMIUM, FLAME AA                      | ppm   | ND              | 0.01                                 | A            | BH            | N/A                  | 04/25/97 12:02 17482   |
| CYANIDE                                | ppm   | ND              | 0.02                                 | A            | BH            | N/A                  | 04/30/97 12:38 17507   |
| CHROMIUM, FLAME AA                     | ppm   | ND              | 0.02                                 | A            | BH            | N/A                  | 04/24/97 16:59 17476   |
| Note: Note Description                 |       |                 |                                      |              |               |                      |                        |
| A Requirements set by method were met. |       |                 |                                      |              |               |                      |                        |
| N/A Not Applicable                     |       |                 |                                      |              |               |                      |                        |
| ND NOT DETECTED                        |       |                 |                                      |              |               |                      |                        |



# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 office  
601/932-0206 Fax

Approved By: *Paul K. K...*  
Facil ID:

Report #: 13489  
Date: 05/02/97  
Page #: 3

Lab #: 38028.00 Client Ref #: INFLUENT  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATRY  
Coll. Ending Date: 04/22/97  
Coll. Ending Time: 08:00

Receipt Date: 04/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Date     | Time           | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|----------|----------------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | 0.03   | 0.01                            | A            | BH   | N/A      |                | 04/24/97 16:34  | 17475       |                |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01                            | A            | BH   | N/A      |                | 04/23/97 14:38  | 17460       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH   | N/A      |                | 04/28/97 14:05  | 17498       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A      |                | 04/25/97 11:02  | 17481       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 4.8    | 0.1                             | A            | LT   | 04/23/97 | 04/23/97 11:20 | 17472           |             |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A      |                | 04/28/97 12:51  | 17495       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A      |                | 05/01/97 10:30  | 17514       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A      |                | 04/30/97 12:30  | 17506       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A      |                | 04/30/97 18:09  | 17513       |                |
| ZINC, FLAME AA                    | ppm   | 0.06   | 0.01                            | A            | BH   | N/A      |                | 04/24/97 16:07  | 17474       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

Approved By:  Report #: 13489  
Date: 05/02/97  
Facil ID: Page #: 4

Receipt Date: 04/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount  | Lmt of Hold<br>Detect Time | Ane-<br>lyt | Prep<br>Date | {Test—} Batch<br>Date Time Number | Lab<br>Note Analyst's Note |
|----------------------------------------|-------|---------|----------------------------|-------------|--------------|-----------------------------------|----------------------------|
| PHENOLS                                | ppm   | screen  | screen A                   | JH          | N/A          | 04/25/97 17:20 17500              |                            |
| Surt: 2,4,6-TRIBROMOPHENOL             |       | 96% N/A |                            |             |              |                                   |                            |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 2-NITROPHENOL                    |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: 4-NITROPHENOL                    |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: PENTACHLOROPHENOL                |       | <0.01   | 0.01                       |             |              |                                   |                            |
| Cmpd: PHENOL                           |       | <0.01   | 0.01                       |             |              |                                   |                            |
| SILVER, FLAME AA                       | ppm   | ND      | 0.02                       | A           | BH           | N/A                               | 04/28/97 12:20 17494       |
| ARSENIC, FURNACE AA                    | ppm   | ND      | 0.003                      | A           | BH           | N/A                               | 04/30/97 10:12 17505       |
| BERYLLIUM, FURNACE AA                  | ppm   | ND      | 0.002                      | A           | BH           | N/A                               | 04/30/97 15:00 17510       |
| CADMIUM, FLAME AA                      | ppm   | ND      | 0.01                       | A           | BH           | N/A                               | 04/25/97 12:02 17482       |
| CYANIDE                                | ppm   | ND      | 0.02                       | A           | BH           | N/A                               | 04/30/97 12:38 17507       |
| CHROMIUM, FLAME AA                     | ppm   | ND      | 0.02                       | A           | BH           | N/A                               | 04/24/97 16:59 17476       |
| Note: Note Description                 |       |         |                            |             |              |                                   |                            |
| A Requirements set by method were met. |       |         |                            |             |              |                                   |                            |
| N/A Not Applicable                     |       |         |                            |             |              |                                   |                            |
| Note: Note Description                 |       |         |                            |             |              |                                   |                            |
| ND NOT DETECTED                        |       |         |                            |             |              |                                   |                            |

## Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13489  
Date: 05/02/97  
Page #: 5

Lab #: 38029.00 Client Ref #: EFFLUENT  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: BEATTY  
Coll. Ending Date: 04/22/97  
Coll. Ending Time: 08:00

Receipt Date: 04/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time 1yst | Prep Date | Batch<br>(---Test---) Date Time Number | Lab<br>Note Analyst's Note |
|-----------------------------------|-------|--------|--------------------------------------|-----------|----------------------------------------|----------------------------|
| COPPER, FLAME AA                  | ppm   | 0.02   | 0.01 A                               | BE        | N/A                                    | 04/24/97 16:34 17475       |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01 A                               | BE        | N/A                                    | 04/23/97 14:38 17460       |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002 A                             | BE        | N/A                                    | 04/28/97 14:05 17498       |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05 A                               | BE        | N/A                                    | 04/25/97 11:02 17481       |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 0.8    | 0.1 A                                | LT        | 04/23/97 04/23/97 11:20 17472          |                            |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20 A                               | BE        | N/A                                    | 04/28/97 12:51 17495       |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005 A                              | BE        | N/A                                    | 05/01/97 10:30 17514       |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005 A                              | BE        | N/A                                    | 04/30/97 12:30 17506       |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006 A                              | BE        | N/A                                    | 04/30/97 18:09 17513       |
| ZINC, FLAME AA                    | ppm   | 0.03   | 0.01 A                               | BE        | N/A                                    | 04/24/97 16:07 17474       |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

**Culpeper Analytical**  
657 Highway 49 South  
Richland, MS 39218

**Bio Labs, Inc.**  
601/932-0201 Office  
601/932-0206 Fax

Approved By  
Facil ID:

Report #: 13528  
Date: 05/23/97  
Page #: 2

Lab #:38095.00      Client Ref #:INFL  
sample Description  
INFILTRANT, GRAB (TWICE MONTHLY)

sample collected by: SHERROD  
coll. Ending Date: 05/06/97  
coll. Ending Time: 08:00

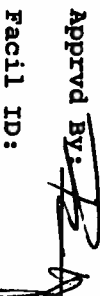
Receipt Date: 05/07/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                                | Units | Amount             | Lmt of Hold Ana- | Prep | {Test} | Batch                | Lab                  |
|----------------------------------------|-------|--------------------|------------------|------|--------|----------------------|----------------------|
|                                        |       |                    | Detect Time      | Lyst | Date   | Time Number          | Note Analyst's Note  |
| PHENOLS                                | ppm   | screen<br>1208 N/A | screen A         | JH   | N/A    | 05/07/97 20:30 17571 |                      |
| Surr: 2,4,6-TRIBROMOPHENOL             |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2,4,6-TRICHLOROPHENOL            |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2,4-DICHLOROPHENOL               |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2,4-DIMETHYLPHENOL               |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2,4-DINITROPHENOL                |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2-CHLOROPHENOL                   |       | <0.01              | 0.01             |      |        |                      | *                    |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL       |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 2-NITROPHENOL                    |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 4-CHLORO-3-METHYLPHENOL          |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: 4-NITROPHENOL                    |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: PENTACHLOROPHENOL                |       | <0.01              | 0.01             |      |        |                      |                      |
| Cmpd: PHENOL                           |       | <0.01              | 0.01             |      |        |                      |                      |
| SILVER, FLAME AA                       | ppm   | ND                 | 0.02             | A    | BH     | N/A                  | 05/12/97 14:05 17588 |
| ARSENIC, FURNACE AA                    | ppm   | ND                 | 0.003            | A    | BH     | N/A                  | 05/22/97 11:29 17689 |
| BERYLLIUM, FURNACE AA                  | ppm   | ND                 | 0.002            | A    | BH     | N/A                  | 05/12/97 11:14 17573 |
| CADMIUM, FLAME AA                      | ppm   | ND                 | 0.01             | A    | BH     | N/A                  | 05/12/97 12:46 17586 |
| CYANIDE                                | ppm   | ND                 | 0.02             | A    | BH     | N/A                  | 05/08/97 10:14 17551 |
| CHROMIUM, FLAME AA                     | ppm   | ND                 | 0.02             | A    | BH     | N/A                  | 05/12/97 11:56 17585 |
| Note: Note Description                 |       |                    |                  |      |        |                      |                      |
| A Requirements set by method were met. |       |                    |                  |      |        |                      |                      |
| N/A Not Applicable                     |       |                    |                  |      |        |                      |                      |
| Note: Note Description                 |       |                    |                  |      |        |                      |                      |
| ND NOT DETECTED                        |       |                    |                  |      |        |                      |                      |

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13528  
Date: 05/23/97  
Page #: 3

Lab #: 38095.00 Client Ref #: INFL  
Sample Description  
INFILTRANT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERROD  
Coll. Ending Date: 05/06/97  
Coll. Ending Time: 08:00

Receipt Date: 05/07/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Lmt of Bold Ana-<br>Detect Time | Prep<br>lyst | Date | Date | Time     | Batch<br>Number | Lab<br>Note | Analyst's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|------|----------|-----------------|-------------|----------------|
| COPPER, FLAME AA                  | PPM   | 0.03   | 0.01                            | A            | BH   | N/A  | 05/12/97 | 11:07           | 17584       |                |
| HEXAVALENT CHROMIUM               | PPM   | ND     | 0.01                            | A            | BH   | N/A  | 05/09/97 | 15:56           | 17563       |                |
| MERCURY, COLD VAPOR AA            | PPM   | ND     | 0.0002                          | A            | BH   | N/A  | 05/08/97 | 11:49           | 17550       |                |
| NICKEL, FLAME AA                  | PPM   | ND     | 0.05                            | A            | BH   | N/A  | 05/12/97 | 13:18           | 17587       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | PPM   | 12.8   | 0.1                             | A            | LT   | N/A  | 05/08/97 | 15:54           | 17555       |                |
| LEAD, FLAME AA                    | PPM   | ND     | 0.20                            | A            | BH   | N/A  | 05/13/97 | 12:36           | 17594       |                |
| ANTIMONY, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A  | 05/23/97 | 11:52           | 17698       |                |
| SELENIUM, FURNACE AA              | PPM   | ND     | 0.005                           | A            | BH   | N/A  | 05/22/97 | 14:20           | 17690       |                |
| TANTALUM, FURNACE AA              | PPM   | ND     | 0.006                           | A            | BH   | N/A  | 05/22/97 | 18:01           | 17696       |                |
| ZINC, FLAME AA                    | PPM   | 0.05   | 0.01                            | A            | BH   | N/A  | 05/12/97 | 10:36           | 17583       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

# Analytical Report

**Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.**  
 657 Highway 49 South  
 Richland, MS 39218

601/932-0201 Office  
 601/932-0206 Fax

Apprvd By: \_\_\_\_\_  
 Facil ID: \_\_\_\_\_

Report #: 13528  
 Date: 05/23/97  
 Page #: 4

Lab #: 38096.00 Client Ref #: EFF  
 Sample Description  
 EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERROD  
 Coll. Ending Date: 05/06/97  
 Coll. Ending Time: 08:00

Receipt Date: 05/07/97  
 Sample Type: GRAB  
 Sample Matrix: WATER

| Analyte                          | Units | Amount   | Int of Hold Ana-<br>Detect Time | Prep<br>lyst | Date | Batch<br>Time | Number         | Lab<br>Note | Analyte's Note |
|----------------------------------|-------|----------|---------------------------------|--------------|------|---------------|----------------|-------------|----------------|
| <b>PHENOLS</b>                   | ppm   | screen   | screen                          | A            | JH   | N/A           | 05/07/97 20:30 | 17571       |                |
| Surf: 2,4,6-TRIBROMOPHENOL       |       | 1098 N/A |                                 |              |      |               |                |             |                |
| Cmpd: 2,4,6-TRICHLOROPHENOL      |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2,4-DICHLOROPHENOL         |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2,4-DIMETHYLPHENOL         |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2,4-DINITROPHENOL          |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2-CHLOROPHENOL             |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2-METHYL-4,6-DINITROPHENOL |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 2-NITROPHENOL              |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 4-CHLORO-3-METHYLPHENOL    |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: 4-NITROPHENOL              |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: PENTACHLOROPHENOL          |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| Cmpd: PHENOL                     |       | <0.01    | 0.01                            |              |      |               |                |             |                |
| <b>SILVER, FLAME AA</b>          | ppm   | ND       | 0.02                            | A            | BH   | N/A           | 05/12/97 14:05 | 17588       |                |
| <b>ARSENIC, FURNACE AA</b>       | ppm   | ND       | 0.003                           | A            | BH   | N/A           | 05/22/97 11:29 | 17689       |                |
| <b>BERYLLIUM, FURNACE AA</b>     | ppm   | ND       | 0.002                           | A            | BH   | N/A           | 05/12/97 11:14 | 17573       |                |
| <b>CADMIUM, FLAME AA</b>         | ppm   | ND       | 0.01                            | A            | BH   | N/A           | 05/12/97 12:46 | 17586       |                |
| <b>CYANIDE</b>                   | ppm   | 0.02     | 0.02                            | A            | BH   | N/A           | 05/08/97 10:14 | 17551       |                |
| <b>CHROMIUM, FLAME AA</b>        | ppm   | ND       | 0.02                            | A            | BH   | N/A           | 05/12/97 11:56 | 17585       |                |

Note: Note Description  
 A Requirements set by method were met.  
 N/A Not Applicable

Note: Note Description  
 ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By:   
Facil ID:

Report #: 13528  
Date: 05/23/97  
Page #: 5

Lab #: 38096.00 Client Ref #: EFF  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: SHERROD  
Coll. Ending Date: 05/06/97  
Coll. Ending Time: 08:00

Receipt Date: 05/07/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Hold Ana-<br>Detect Time | Prep<br>Lyst | Date | Batch<br>Time | Number         | Lab<br>Note | Analyte's Note |
|-----------------------------------|-------|--------|---------------------------------|--------------|------|---------------|----------------|-------------|----------------|
| COPPER, FLAME AA                  | ppm   | ND     | 0.01                            | A            | BH   | N/A           | 05/12/97 11:07 | 17584       |                |
| HEXVALENT CHROMIUM                | ppm   | ND     | 0.01                            | A            | BH   | N/A           | 05/09/97 15:56 | 17563       |                |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002                          | A            | BH   | N/A           | 05/08/97 11:49 | 17550       |                |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05                            | A            | BH   | N/A           | 05/12/97 13:18 | 17587       |                |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 7.6    | 0.1                             | A            | LT   | N/A           | 05/08/97 15:54 | 17555       |                |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20                            | A            | BH   | N/A           | 05/13/97 12:36 | 17594       |                |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A           | 05/23/97 11:52 | 17698       |                |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005                           | A            | BH   | N/A           | 05/22/97 14:20 | 17690       |                |
| THALLIUM, FURNACE AA              | ppm   | ND     | 0.006                           | A            | BH   | N/A           | 05/22/97 18:01 | 17696       |                |
| ZINC, FLAME AA                    | ppm   | 0.02   | 0.01                            | A            | BH   | N/A           | 05/12/97 10:36 | 17583       |                |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED



# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13588  
Date: 05/30/97  
Page #: 2

Lab #: 38274.00 Client Ref #: INF  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: GARTH  
Coll. Ending Date: 05/21/97  
Coll. Ending Time: 08:00

Receipt Date: 05/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                        | Units | Amount   | Int of Bold Ana-<br>Defect Time | Prep<br>Type | Date | Batch<br>Time | Batch<br>Number | Lab<br>Note | Analyst's Note |
|--------------------------------|-------|----------|---------------------------------|--------------|------|---------------|-----------------|-------------|----------------|
| PERMOLS                        | ppm   | screen   | screen A                        | JB           | N/A  | 05/27/97      | 21:30           | 17723       |                |
| Succ: 2,4,6-TRICHLOROPHENOL    |       | 1064 N/A |                                 |              |      |               |                 |             |                |
| Compd: 2,4,6-TRICHLOROPHENOL   |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 2,4-DICHLOROPHENOL      |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 2,4-DINITROPHENOL       |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 2,4-DINITROPHENOL       |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 2-CHLOROPHENOL          |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 2-NITROPHENOL           |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 4-CHLORO-3-METHYLPHENOL |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: 4-NITROPHENOL           |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: PENTACHLOROPHENOL       |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| Compd: PHENOL                  |       | <0.01    | 0.01                            |              |      |               |                 |             |                |
| SILVER, PLAME AA               | ppm   | ND       | 0.02                            | A            | BE   | N/A           | 05/29/97        | 12:43       | 17734          |
| ARSENIC, FURNACE AA            | ppm   | ND       | 0.003                           | A            | BE   | N/A           | 05/29/97        | 18:04       | 17743          |
| BERYLLIUM, FURNACE AA          | ppm   | ND       | 0.002                           | A            | BE   | N/A           | 05/29/97        | 10:58       | 17728          |
| CADMIUM, PLAME AA              | ppm   | 0.01     | 0.01                            | A            | BE   | N/A           | 05/29/97        | 11:39       | 17732          |
| CYANIDE                        | ppm   | ND       | 0.02                            | A            | BE   | N/A           | 05/28/97        | 11:29       | 17725          |
| CHROMIUM, PLAME AA             | ppm   | ND       | 0.02                            | A            | BE   | N/A           | 05/29/97        | 11:07       | 17731          |

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:  
Report #: 13588  
Date: 05/30/97  
Page #: 3

Lab #: 38274.00 Client Ref #: INF  
Sample Description  
INFLUENT, GRAB (TWICE MONTHLY)  
Sample Collected by: GARTH  
Coll. Ending Date: 05/21/97  
Coll. Ending Time: 08:00  
Receipt Date: 05/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Unit                             | Amount | Int of Bold Ana- | Prep   | (---Test---) | Batch | Lab                      |
|----------------------------------|--------|------------------|--------|--------------|-------|--------------------------|
|                                  |        | Detect Time      | lyst   | Date         | Time  | Note                     |
| COPPER, PLANE AA                 | ppm    | 0.01             | A      | BE           | N/A   | 05/29/97 10:42 17730     |
| SEXAVALENT CHROMIUM              | ppm    | ND               | 0.01   | A            | BE    | N/A 05/29/97 18:30 17746 |
| MERCURY, COLD VAPOR AA           | ppm    | ND               | 0.0002 | A            | BE    | N/A 05/29/97 16:02 17741 |
| SILICA, PLANE AA                 | ppm    | ND               | 0.05   | A            | BE    | N/A 05/29/97 12:18 17733 |
| ML AND GREASE, TOTAL RECOVERABLE | ppm    | 18.4             | 0.1    | A            | LC    | N/A 05/29/97 09:38 17727 |
| LEAD, PLANE AA                   | ppm    | ND               | 0.20   | A            | BE    | N/A 05/29/97 13:42 17735 |
| ANTIMONY, FURNACE AA             | ppm    | ND               | 0.005  | A            | JE    | N/A 05/30/97 13:40 17748 |
| TELURUM, FURNACE AA              | ppm    | ND               | 0.005  | A            | BE    | N/A 05/29/97 14:34 17736 |
| BALTIM, FURNACE AA               | ppm    | ND               | 0.006  | A            | BE    | N/A 05/29/97 10:04 17744 |
| INC, PLANE AA                    | ppm    | 0.06             | 0.01   | A            | BE    | N/A 05/29/97 10:13 17729 |

Note: Note Description  
Requirements set by method were met.  
ND NOT DETECTED

# Analytical Report

Culpeper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Approved By: *[Signature]*  
Facil ID:

Report #: 13588  
Date: 05/30/97  
Page #: 4

Lab #: 38275.00 Client Ref #: EFF  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: GARTH  
Coll. Ending Date: 05/21/97  
Coll. Ending Time: 08:00

Receipt Date: 05/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

Analyte

Unit Amount Detect Time Lys Date Date Time Batch Lab Note Analyte Note

## PERMOLS

Sect: 2,4,6-TRICHLOROPHENOL

ppm screen 1048 R/A screen A 0.01 05/27/97 21:30 17723

Compd: 2,4,6-TRICHLOROPHENOL

<0.01 0.01

Compd: 2,4-DICHLOROPHENOL

<0.01 0.01

Compd: 2,4-DIMETHYLPHENOL

<0.01 0.01

Compd: 2,4-DINITROPHENOL

<0.01 0.01

Compd: 2-CHLOROPHENOL

<0.01 0.01

Compd: 2-NITROPHENOL

<0.01 0.01

Compd: 4-CHLORO-3-NITROPHENOL

<0.01 0.01

Compd: 4-NITROPHENOL

<0.01 0.01

Compd: PENTACHLOROPHENOL

<0.01 0.01

Compd: PHENOL

<0.01 0.01

SILVER, FLAME AA

ppm ND 0.02 A BR N/A 05/29/97 12:43 17734

ARSENIC, FURNACE AA

ppm ND 0.003 A BR N/A 05/29/97 18:04 17743

BARIUM, FURNACE AA

ppm ND 0.002 A BR N/A 05/29/97 10:58 17728

CADMIUM, FLAME AA

ppm ND 0.01 A BR N/A 05/29/97 11:39 17732

CYANIDE

ppm ND 0.02 A BR N/A 05/28/97 11:29 17725

CHROMIUM, FLAME AA

ppm ND 0.02 A BR N/A 05/29/97 11:07 17731

Note: Note Description  
A Requirements set by method were met.  
N/A Not Applicable

Note: Note Description  
ND NOT DETECTED

# Analytical Report

Culpepper Analytical Services, A Division of Chem-Bio Labs, Inc.  
657 Highway 49 South  
Richland, MS 39218

601/932-0201 Office  
601/932-0206 Fax

Apprvd By: *[Signature]*  
Facil ID:

Report #: 13588  
Date: 05/30/97  
Page #: 5

Lab #: 38275.00 Client Ref #: EFF  
Sample Description  
EFFLUENT, GRAB (TWICE MONTHLY)

Sample Collected by: GARTH  
Coll. Ending Date: 05/21/97  
Coll. Ending Time: 08:00

Receipt Date: 05/23/97  
Sample Type: GRAB  
Sample Matrix: WATER

| Analyte                           | Units | Amount | Int of Solid Ana- | Prep | (Test) | Batch | Lab                  |
|-----------------------------------|-------|--------|-------------------|------|--------|-------|----------------------|
|                                   |       |        | Detect Time       | lyet | Date   | Time  | Note Analyst's Note  |
| COPPER, FLAME AA                  | ppm   | ND     | 0.01              | A    | BE     | N/A   | 05/29/97 10:42 17730 |
| HEXAVALENT CHROMIUM               | ppm   | ND     | 0.01              | A    | BE     | N/A   | 05/29/97 18:30 17746 |
| MERCURY, COLD VAPOR AA            | ppm   | ND     | 0.0002            | A    | BE     | N/A   | 05/29/97 16:02 17741 |
| NICKEL, FLAME AA                  | ppm   | ND     | 0.05              | A    | BE     | N/A   | 05/29/97 12:18 17733 |
| OIL AND GREASE, TOTAL RECOVERABLE | ppm   | 0.8    | 0.1               | A    | LT     | N/A   | 05/29/97 09:38 17727 |
| LEAD, FLAME AA                    | ppm   | ND     | 0.20              | A    | BE     | N/A   | 05/29/97 13:42 17735 |
| ANTIMONY, FURNACE AA              | ppm   | ND     | 0.005             | A    | JB     | N/A   | 05/30/97 13:40 17748 |
| SELENIUM, FURNACE AA              | ppm   | ND     | 0.005             | A    | BE     | N/A   | 05/29/97 14:34 17736 |
| TBILITUM, FURNACE AA              | ppm   | ND     | 0.006             | A    | BE     | N/A   | 05/29/97 10:04 17744 |
| ZINC, FLAME AA                    | ppm   | 0.03   | 0.01              | A    | BE     | N/A   | 05/29/97 10:13 17729 |

Note: Note Description  
A Requirements set by method were met.

Note: Note Description  
ND NOT DETECTED

## § 429.72

§ 429.72 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]

§ 429.73 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): There shall be no discharge of process wastewater pollutants into navigable waters.

§ 429.74 New source performance standards (NSPS).

Any new source subject to this subpart must achieve the following new source performance standards (NSPS): There shall be no discharge of process wastewater pollutants into navigable waters.

§ 429.75 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR Part 403 and achieve the following pretreatment standards for existing sources (PSES): There shall be no introduction of process wastewater pollutants into publicly owned treatment works.

§ 429.76 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR Part 403 and achieve the following pretreatment standards for new sources (PSNS): There shall be no introduction of process wastewater pollutants into publicly owned treatment works.

## 40 CFR Ch. I (7-1-87 Edition)

### Subpart G—Wood Preserving Steam Subcategory

§ 429.80 Applicability; description of the wood preserving—steam subcategory.

This subpart applies to discharges to waters of the United States and to the introduction of process wastewater pollutants into publicly owned treatment works from wood preserving processes that use direct steam impingement on wood as the predominant conditioning method; processes that use the vapor drying process as the predominant conditioning method; direct steam conditioning processes which use the same retort to treat with both salt and oil type preservatives; and steam conditioning processes which apply both salt type and oil type preservatives to the same stock.

§ 429.81 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

#### SUBPART G

| Pollutant or pollutant property | BPT Effluent Limitations |                                                 |
|---------------------------------|--------------------------|-------------------------------------------------|
|                                 | Maximum for any 1 day    | Average of daily values for 30 consecutive days |
| COD                             | 68.5                     | 34.5                                            |
| Phenols                         | 14                       | 04                                              |
| Oil and Grease                  | 1.5                      | 75                                              |
| pH                              | (1)                      | (1)                                             |

English units (lb/1000 cubic feet of product)

|                |      |      |
|----------------|------|------|
| COD            | 68.5 | 34.5 |
| Phenols        | 14   | 04   |
| Oil and Grease | 1.5  | 75   |
| pH             | (1)  | (1)  |

Metric units (kg/1000 cu m of product)

|                |       |     |
|----------------|-------|-----|
| COD            | 1,100 | 550 |
| Phenols        | 2.18  | 65  |
| Oil and Grease | 24.0  | 120 |
| pH             | (1)   | (1) |

## Environmental Protection Agency

§ 429.82 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]

§ 429.83 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT). [Reserved]

§ 429.84 New source performance standards (NSPS).

Any new source subject to this subpart must achieve the following new source performance standards (NSPS): There shall be no discharge of process wastewater pollutants into navigable waters.

§ 429.85 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR Part 403 and meet the following pretreatment standards for existing sources (PSES):

#### SUBPART G

(PSES Effluent Limitations)

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) |     |
|---------------------------------|------------------------------|-----|
|                                 | Oil and grease               | 100 |
| Copper                          | 5                            | 5   |
| Chromium                        | 4                            | 4   |
| Arsenic                         | 4                            | 4   |

In cases where POTWs find it necessary to impose mass limitations, the following equivalent mass limitations are provided as guidance.

(Grams per cubic meter of production)

| Pollutant or pollutant property | Maximum for any 1 day |      |
|---------------------------------|-----------------------|------|
|                                 | Oil and grease        | 20.5 |
| Copper                          | 62                    | 62   |
| Chromium                        | 41                    | 41   |
| Arsenic                         | 41                    | 41   |

## § 429.93

§ 429.86 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR Part 403 and achieve the following pretreatment standards for new sources (PSNS): There shall be no introduction of process wastewater pollutants into publicly owned treatment works.

### Subpart H—Wood Preserving—Boulton Subcategory

§ 429.90 Applicability; description of the wood preserving—Boulton subcategory.

This subpart applies to discharges to waters of the United States and to the introduction of process wastewater pollutants into a publicly owned treatment works from wood preserving operations which use the Boulton process as the predominant method of conditioning stock.

§ 429.91 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology (BPT): There shall be no discharge of process wastewater pollutants into navigable waters.

§ 429.92 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]

§ 429.93 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point



Sec.

- 429.163 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).  
 429.164 New source performance standards (NSPS).  
 429.165 Pretreatment standards for existing sources (PSES).  
 429.166 Pretreatment standards for new sources (PSNS).

**Subpart P—Wood Furniture and Fixture Production With Water Wash Spray Booth(s) or With Laundry Facilities Subcategory**

- 429.170 Applicability: description of the wood furniture and fixture production with water wash spray booth(s) or with laundry facilities subcategory.  
 429.171 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).  
 429.172 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]  
 429.173 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).  
 429.174 New source performance standards (NSPS).  
 429.175 Pretreatment standards for existing sources (PSES).  
 429.176 Pretreatment standards for new sources (PSNS).

**AUTHORITY:** Secs. 301, 304(b), (c), (e), and (g), 306(b) and (c), 307(a)(b) and (c) and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the "Act"); 33 U.S.C. 1311, 1314(b), (c), (e), and (g), 1316(b) and (c), 1317(b) and (c), and 1361; 86 Stat. 815, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 96-217.

**SOURCE:** 46 FR 8285, Jan. 26, 1981, unless otherwise noted.

**GENERAL PROVISIONS**

**§ 429.10 Applicability.**

This part applies to any timber products processing operation, and any plant producing insulation board with wood as the major raw material, which discharges or may discharge process wastewater pollutants to the waters of the United States, or which introduces

or may introduce process wastewater pollutants into a publicly owned treatment works.

**§ 429.11 General definitions.**

In addition to the definitions set forth in 40 CFR Part 401, the following definitions apply to this part:

(a) The term "hydraulic barking" means a wood processing operation that removes bark from wood by the use of water under a pressure of 6.8 atm (100 psia) or greater.

(b) The terms "cubic feet" or "cubic meters" of production in Subpart A means the cubic feet or cubic meters of logs from which bark is removed.

(c) The term "process wastewater" specifically excludes noncontact cooling water, material storage yard runoff (either raw material or processed wood storage), and boiler blowdown. For the dry process hardwood, veneer, finishing, particleboard, and sawmills and planing mills subcategories, fire control water is excluded from the definition.

(d) The term "gross production of fiberboard products" means the air dry weight of hardboard or insulation board following formation of the mat and prior to trimming and finishing operations.

(e) The term "hardboard" means a panel manufactured from interleafed ligno-cellulosic fibers consolidated under heat and pressure to a density of 0.5 g/cu cm (31 lb/cu ft) or greater.

(f) The term "insulation board" means a panel manufactured from interleafed ligno-cellulosic fibers consolidated to a density of less than 0.5 g/cu cm (less than 31 lb/cu ft).

(g) The term "smooth-one-side (S1S) hardboard" means hardboard which is produced by the wet-matting, wet-pressing process.

(h) The term "smooth-two-sides (S2S) hardboard" means hardboard which is produced by the wet-matting, dry-pressing process.

(i) The term "debris" means woody material such as bark, twigs, branches, heartwood or sapwood that will not pass through a 2.54 cm (1.0 in) diameter round opening and is present in the discharge from a wet storage facility.

(j) For the subcategories for which numerical limitations are given, the daily maximum limitation is a value that should not be exceeded by any one effluent measurement. The 30-day limitation is a value that should not be exceeded by the average of daily measurements taken during any 30-day period.

[46 FR 8285, Jan. 26, 1981, as amended at 46 FR 57287, Nov. 23, 1981]

**§ 429.12 Monitoring requirements. [Reserved]**

**Subpart A—Barking Subcategory**

**§ 429.20 Applicability:** description of the barking subcategory.

This subpart applies to discharges to waters of the United States and to the introduction of process wastewater pollutants into publicly owned treatment works from the barking of logs by plants in SIC major group 24, and by plants producing insulation board (SIC group 2661).

**§ 429.21 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations apply to all mechanical barking installations: There shall be no discharge of process wastewater pollutants into navigable waters.

(b) The following limitations constitute the maximum permissible discharge for hydraulic barking installations:

| SUBPART A                                              |                       | BPT effluent limitations        |                       | Average of daily values for any 30 consecutive days |  |
|--------------------------------------------------------|-----------------------|---------------------------------|-----------------------|-----------------------------------------------------|--|
| Pollutant or pollutant property                        | Maximum for any 1 day | Pollutant or pollutant property | Maximum for any 1 day | Average of daily values for 30 consecutive days     |  |
| BOD <sub>5</sub>                                       | 1.5                   | BOD <sub>5</sub>                | 0.09                  | 0.03                                                |  |
| TSS                                                    | 6.9                   | TSS                             | 0.431                 | 0.144                                               |  |
| pH                                                     | ( <sup>1</sup> )      | pH                              | ( <sup>1</sup> )      | ( <sup>1</sup> )                                    |  |
| English units (pounds per cubic foot of production)    |                       |                                 |                       |                                                     |  |
| BOD <sub>5</sub>                                       | 0.09                  | BOD <sub>5</sub>                | 0.09                  | 0.03                                                |  |
| TSS                                                    | 0.431                 | TSS                             | 0.431                 | 0.144                                               |  |
| pH                                                     | ( <sup>1</sup> )      | pH                              | ( <sup>1</sup> )      | ( <sup>1</sup> )                                    |  |
| <sup>1</sup> Within the range 6.0 to 9.0 at all times. |                       |                                 |                       |                                                     |  |

| SUBPART A                                              |                       | NSPS effluent limitations       |                       | Average of daily values for any 30 consecutive days |  |
|--------------------------------------------------------|-----------------------|---------------------------------|-----------------------|-----------------------------------------------------|--|
| Pollutant or pollutant property                        | Maximum for any 1 day | Pollutant or pollutant property | Maximum for any 1 day | Average of daily values for 30 consecutive days     |  |
| BOD <sub>5</sub>                                       | 1.5                   | BOD <sub>5</sub>                | 0.09                  | 0.03                                                |  |
| TSS                                                    | 6.9                   | TSS                             | 0.431                 | 0.144                                               |  |
| pH                                                     | ( <sup>1</sup> )      | pH                              | ( <sup>1</sup> )      | ( <sup>1</sup> )                                    |  |
| English units (pounds per cubic meter of production)   |                       |                                 |                       |                                                     |  |
| BOD <sub>5</sub>                                       | 0.09                  | BOD <sub>5</sub>                | 0.09                  | 0.03                                                |  |
| TSS                                                    | 0.431                 | TSS                             | 0.431                 | 0.144                                               |  |
| pH                                                     | ( <sup>1</sup> )      | pH                              | ( <sup>1</sup> )      | ( <sup>1</sup> )                                    |  |
| <sup>1</sup> Within the range 6.0 to 9.0 at all times. |                       |                                 |                       |                                                     |  |













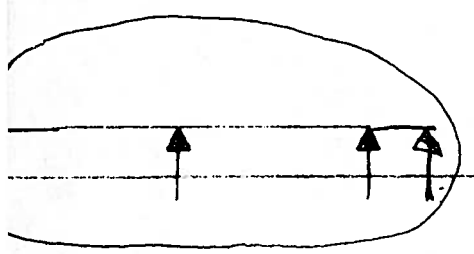


WASTEWATER FLOWS  
KERR MCGEE CHEMICAL CORPORATION  
FOREST PRODUCTS DIVISION  
COLUMBUS, MS

| MONTH | YEAR | AVERAGE | MAX   | DAYS | MAX O&G |
|-------|------|---------|-------|------|---------|
| JAN   | 1993 | 21494   | 51500 | 1    | 48      |
| FEB   | 1993 | 22721   | 65000 | 1    | 11      |
| MAR   | 1993 | 27258   | 56500 | 2    | 38      |
| APR   | 1993 | 18820   | 32000 | 0    | 12      |
| MAY   | 1993 | 34368   | 55208 | 2    | 14      |
| JUN   | 1993 | 32892   | 50834 | 2    | 8       |
| JUL   | 1993 | 29655   | 50107 | 1    | 13      |
| AUG   | 1993 | 26846   | 42788 | 0    | 17      |
| SEP   | 1993 | 31033   | 50670 | 1    | 17      |
| OCT   | 1993 | 29166   | 52915 | 2    | 15      |
| NOV   | 1993 | 24446   | 31810 | 0    | 15      |
| DEC   | 1993 | 27559   | 80791 | 2    | 15      |
| JAN   | 1994 | 30296   | 65871 | 2    | 14      |
| FEB   | 1994 | 29861   | 71210 | 2    | 15      |
| MAR   | 1994 | 33761   | 75724 | 3    | 13      |
| APR   | 1994 | 35484   | 76005 | 6    | 11      |
| MAY   | 1994 | 32043   | 51497 | 3    | 19      |

Milton Brumfield

601-961-5703



Primary separator



~~#1  
Sump  
Return~~

#1  
Sump  
Return

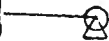
Tank  
Farm  
Contentment  
Sump  
(Return)

Tank  
Unloading  
Sump

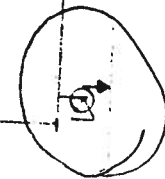
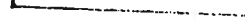
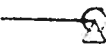
Ball  
Tank  
Unloading  
Sump

Tank  
Farm  
Contentment  
Sumps  
(Work Tank)

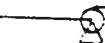
Front  
Door  
sump



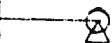
Storm  
water  
sump



Ground-  
water  
sump



Tank  
Farm  
(contaminated  
sump  
(storage))



Blow  
down  
Tank

