

DATE March 30, 1983

CITY OR INDUSTRY NAME AND LOCATION

March 31, 1983

START SAMPLING

END SAMPLING

OUTFALL NO. 010

SAMPLE NO. \_\_\_\_\_

CREW A Hardaway, ManuelCREW B Hammatt, DriggersCREW C Karanagh, Knight

|                                               |                                                                                        | A L I Q U O T S |             |              |             |             |             |             |             |     |     |     |    |
|-----------------------------------------------|----------------------------------------------------------------------------------------|-----------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-----|-----|-----|----|
| FIELD DATA                                    | PRESERVATIVES                                                                          | 1               | 2           | 3            | 4           | 5           | 6           | 7           | 8           | 9   | 10  | 11  | 12 |
| TIME (hours)                                  | 00000000                                                                               | 6820            | 1140        | 1440         | 1725        | 2030        | 2357        | 0203        | 0531        |     |     |     |    |
| FLOW <u>0.0</u><br>units                      | 00000000                                                                               | 17              | 13          | 23           | 17          | 15          | 13          | 12          | 14          |     |     |     |    |
| TEMPERATURE ° <u>-N<sub>0</sub></u>           | 00000000                                                                               |                 |             |              |             |             |             |             |             |     |     |     |    |
| p <u>No</u>                                   | 00000000                                                                               |                 |             |              |             |             |             |             |             |     |     |     |    |
| DISSOLVED O <sub>2</sub> mg/l.                | 00000000                                                                               |                 |             |              |             |             |             |             |             |     |     |     |    |
| RESIDUAL CHLORINE                             | 00000000                                                                               |                 |             |              |             |             |             |             |             |     |     |     |    |
| SAMPLES                                       | 00000000                                                                               | 000             | 000         | 000          | 000         | 000         | 000         | 000         | 000         | 000 | 000 | 000 | 00 |
| BOD-SOLIDS-COLOR-TURBIDITY                    | SAMPLE ON                                                                              |                 |             |              |             |             |             |             |             |     |     |     |    |
| SULFATE-FLUORIDE-CHLORIDE                     | WET ICE                                                                                |                 |             |              |             |             |             |             |             |     |     |     |    |
| OIL and GREASE - One grab<br>sample per shift | 2ml concentrated H <sub>2</sub> SO <sub>4</sub><br>per liter and place on ice          |                 |             |              |             |             |             |             |             |     |     |     |    |
| COD                                           | 2ml concentrated H <sub>2</sub> SO <sub>4</sub><br>per liter                           |                 |             |              |             |             |             |             |             |     |     |     |    |
| TOC                                           | 2ml concentrated H <sub>2</sub> SO <sub>4</sub><br>per liter                           |                 |             |              |             |             |             |             |             |     |     |     |    |
| METALS total CR                               | 5ml concentrated HNO <sub>3</sub><br>per liter                                         | 80ml            | 60ml        | 110          | 80ml        | 70ml        | 60ml        | 60ml        | 65ml        |     |     |     |    |
| COLIFORM - One grab<br>sample per shift       | Return to lab. in<br>prepared container on ice                                         |                 |             |              |             |             |             |             |             |     |     |     |    |
| PHENOL                                        | 1.0 gram CuSO <sub>4</sub> per liter<br>H <sub>3</sub> PO <sub>4</sub> to pH 4.0 & ice |                 |             |              |             |             |             |             |             |     |     |     |    |
| SULFIDE                                       | 2ml one molar ZnAc<br>per liter                                                        |                 |             |              |             |             |             |             |             |     |     |     |    |
| CYANIDE                                       | NaOH to pH 10<br>(approx. 2ml per liter)                                               |                 |             |              |             |             |             |             |             |     |     |     |    |
| NUTRIENTS-nitrogen<br>and phosphorus          | 40 mg HgCl <sub>2</sub> per<br>liter & place on ice                                    |                 |             |              |             |             |             |             |             |     |     |     |    |
| PESTICIDES                                    | Return to lab. in<br>prepared container on ice                                         |                 |             |              |             |             |             |             |             |     |     |     |    |
| BIOASSAY-initial test sample                  | Crew A return to lab<br>on collection                                                  |                 |             |              |             |             |             |             |             |     |     |     |    |
| BIOASSAY-Full size sample                     | Crew C collect last hour<br>and return to lab                                          |                 |             |              |             |             |             |             |             |     |     |     |    |
| MASS SPEC SAMPLE                              | Return to lab. in<br>container provided                                                | 80ml 2vials     | 60ml 2vials | 110ml 2vials | 80ml 2vials | 70ml 2vials | 60ml 2vials | 60ml 2vials | 65ml 2vials |     |     |     |    |
| SUPERVISOR-initial each block                 | 00000000                                                                               |                 |             | RBK          | RBK         | RBK         | JDK         | JDK         | JDK         |     |     |     |    |
| Conductivity meters                           |                                                                                        |                 |             |              |             |             |             |             |             |     |     |     |    |

SL 023236

SAMPLE LOCATION LLC

SAMPLING CREW SUPERVISORS SIGNATURES:

CITY OR INDUSTRY NAME AND LOCATION

DATE March 30, 1983March 31, 1983

START SAMPLING

END SAMPLING

OUTFALL NO: 018

SAMPLE NO: \_\_\_\_\_

See Back for Flow

CREW A Hardaway, Manuel  
CREW B Hammatt, Driggers  
CREW C Kavanagh, Knight

|                                 |                                                                     | A L I Q U O T S |         |         |         |         |         |         |         |     |     |     |    |
|---------------------------------|---------------------------------------------------------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|----|
| FIELD DATA                      | PRESERVATIVES                                                       | 1               | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9   | 10  | 11  |    |
| ✓ TIME (hours)                  | 00000000                                                            | 0835            | 1150    | 1450    | 1736    | 2044    | 0013    | 0314    | 0540    |     |     |     |    |
| ✓ FLOW <u>6</u> gpm<br>units    | 00000000                                                            | 5000            | 5000    | 5400    | 5800    | 5600    | 5700    | 5700    | 5700    |     |     |     |    |
| TEMPERATURE ° <u>No</u>         | 00000000                                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
| - <u>No</u>                     | 00000000                                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
| DISSOLVED O <sub>2</sub> mg/l   | 00000000                                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
| RESIDUAL CHLORINE               | 00000000                                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
| SAMPLES                         | 00000000                                                            | 000             | 000     | 000     | 000     | 000     | 000     | 000     | 000     | 000 | 000 | 000 | 00 |
| ✓ BOD-SOLIDS-COLOR-TURBIDITY    | SAMPLE ON                                                           | 120ml           | 120     | 130     | 140     | 135     | 140     | 140     | 140     |     |     |     |    |
| SULFATE-FLUORIDE-CHLORIDE       | WET ICE                                                             |                 |         |         |         |         |         |         |         |     |     |     |    |
| OIL and GREASE - One grab       | 2ml concentrated H <sub>2</sub> SO <sub>4</sub>                     |                 |         |         |         |         |         |         |         |     |     |     |    |
| sample per shift                | per liter and place on ice                                          |                 |         |         |         |         |         |         |         |     |     |     |    |
| COD                             | 2ml concentrated H <sub>2</sub> SO <sub>4</sub>                     |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | per liter                                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| ✓ TOC                           | 2ml. concentrated <del>H<sub>2</sub>SO<sub>4</sub></del> <u>HEL</u> | 120ml           | 120     | 130     | 140     | 135     | 140     | 140     | 140     |     |     |     |    |
|                                 | per liter                                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| METALS                          | 5ml. concentrated HNO <sub>3</sub>                                  |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | per liter                                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| COLIFORM - One grab             | Return to lab. in                                                   |                 |         |         |         |         |         |         |         |     |     |     |    |
| sample per shift                | prepared container on ice                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| PHENOL                          | 1.0 gram. CuSO <sub>4</sub> per liter                               |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | H <sub>3</sub> PO <sub>4</sub> to pH 4.0 & ice                      |                 |         |         |         |         |         |         |         |     |     |     |    |
| SULFIDE                         | 2ml. one molar ZnAc                                                 |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | per liter                                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| CYANIDE                         | NaOH to pH 10                                                       |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | (approx. 2ml. per liter)                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
| NUTRIENTS-nitrogen              | 40 mg HgCl <sub>2</sub> per                                         |                 |         |         |         |         |         |         |         |     |     |     |    |
| and phosphorus                  | liter & place on ice                                                |                 |         |         |         |         |         |         |         |     |     |     |    |
| PESTICIDES                      | Return to lab. in                                                   |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | prepared container on ice                                           |                 |         |         |         |         |         |         |         |     |     |     |    |
| BIOASSAY-Initial test sample    | Crew A return to lab.                                               |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | on collection                                                       |                 |         |         |         |         |         |         |         |     |     |     |    |
| BIOASSAY-Full size sample       | Crew C collect last hour                                            |                 |         |         |         |         |         |         |         |     |     |     |    |
|                                 | and return to lab.                                                  |                 |         |         |         |         |         |         |         |     |     |     |    |
| ✓ MASS SPEC. SAMPLE             | Return to lab. in                                                   | 120ml           | 120ml   | 130     | 140     | 135     | 140     | 140     | 140     |     |     |     |    |
|                                 | container provided                                                  | 2 vials         | 2 vials | 2 vials | 2 vials | 2 vials | 2 vials | 2 vials | 2 vials |     |     |     |    |
| ✓ SUPERVISOR-initial each block | 00000000                                                            | JEN             | RKN     | RKN     | RD      | RD      | RD      | JDK     | JDK     |     |     |     |    |

CITY OR INDUSTRY NAME AND LOCATION  
 DATE March 30, 1983 March 31, 1983  
 START SAMPLING END SAMPLING  
 OUTFALL NO: 118 SAMPLE NO.:

CREW A Hardaway, Manuel  
 CREW B Hammett, Driggers  
 CREW C Kavanagh, Knight

See Contin Notice on Back!

|                                               |                                                                                        | A L I Q U O T S    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
|-----------------------------------------------|----------------------------------------------------------------------------------------|--------------------|---------------------|------|-------------------|-------------------|------------------|--------------------|-------------------|-----|-----|-----|----|
| FIELD DATA                                    | PRESERVATIVES                                                                          | 1                  | 2                   | 3    | 4                 | 5                 | 6                | 7                  | 8                 | 9   | 10  | 11  | 12 |
| ✓ TIME (hours)                                | 00000000                                                                               | 0905               | 1200                | 1500 | 1735 <sup>0</sup> | 2045              | 0012             | 0313               | 0539              |     |     |     |    |
| ✓ FLOW <u>Gom</u><br>units                    | 00000000                                                                               | 175                | 175                 | 175  | 170               | 150               | 23*              | 10                 | 5                 |     |     |     |    |
| TEMPERATURE °                                 | 00000000                                                                               |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
|                                               | 00000000                                                                               |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| DISSOLVED O <sub>2</sub> mg/l.                | 00000000                                                                               |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| RESIDUAL CHLORINE                             | 00000000                                                                               |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| SAMPLES                                       | 00000000                                                                               | 000                | 000                 | 000  | 000               | 000               | 000              | 000                | 000               | 000 | 000 | 000 | 00 |
| ✓ BOD-SOLIDS-COLOR-TURBIDITY                  | SAMPLE ON                                                                              | 120ml              | 120M                | 120  | 120               | 100               | 15               | 10                 | 5                 |     |     |     |    |
| SULFATE-FLUORIDE-CHLORIDE                     | WET ICE                                                                                |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| OIL and GREASE - One grab<br>sample per shift | 2ml concentrated H <sub>2</sub> SO <sub>4</sub><br>per liter and place on ice          |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| COD                                           | 2ml concentrated H <sub>2</sub> SO <sub>4</sub><br>per liter                           |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| ✓ TOC → See Contin on<br>Back                 | 2ml concentrated <del>H<sub>2</sub>SO<sub>4</sub></del><br>per liter <u>HCL</u>        | 120ml              | 120M                | 120  | 120               | 100               | 15               | 10                 | 5                 |     |     |     |    |
| METALS                                        | 5ml concentrated HNO <sub>3</sub><br>per liter                                         |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| COLIFORM - One grab<br>sample per shift       | Return to lab. in<br>prepared container on ice                                         |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| PHENOL                                        | 1.0 gram CuSO <sub>4</sub> per liter<br>H <sub>3</sub> PO <sub>4</sub> to pH 4.0 & ice |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| SULFIDE                                       | 2ml one molar ZnAc<br>per liter                                                        |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| CYANIDE                                       | NaOH to pH 10<br>(approx 2ml. per liter)                                               |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| NUTRIENTS-nitrogen<br>and phosphorus          | 40 mg HgCl <sub>2</sub> per<br>liter & place on ice                                    |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| PESTICIDES                                    | Return to lab. in<br>prepared container on ice                                         |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| BIOASSAY-Initial test sample                  | Crew A return to lab.<br>on collection                                                 |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| BIOASSAY-Full size sample                     | Crew C collect last hour<br>and return to lab.                                         |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
| ✓ MASS SPEC SAMPLE                            | Return to lab. in<br>container provided                                                | 120ml +<br>2 vials | 120 ml +<br>2 Vials | 120  | 120 ml<br>2 vials | 100 ml<br>2 vials | 15 ml<br>2 vials | 10 ml +<br>2 vials | 5 ml +<br>2 vials |     |     |     |    |
| ✓ SUPERVISOR-initial each block               | 00000000                                                                               | TEH                | RKM                 | RKM  | RK                | RK                | RK               | IDK                | IDK               |     |     |     |    |
|                                               |                                                                                        |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |
|                                               |                                                                                        |                    |                     |      |                   |                   |                  |                    |                   |     |     |     |    |

SL 023238

\* Unit went down at  
2330, 3/30/83, greatly  
reducing flow  
RD

SAMPLE LOCATION

PPG

CITY OR INDUSTRY NAME AND LOCATION

OBSERVATIONS &amp; REMARKS FOR PERIOD BEGINNING

hrs. ON 3/30, 1983

SHIFT  
SUPERVISOR:SIGN YOUR  
REMARKS!!!

OUTFALL NO.:

118

SAMPLE NO.:

totalizer begin W/A time

end N/A time

Get flow in OHP control room

Flow in green

Caution!! → High Chlorox (Bleach) Content!  
Do not get effluent on clothes, if possible

Do Not Acidify the TOC Sample!!

Use Rubber Gloves when taking sample!

SL 023239