

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit: | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|--------------|------------|------------------|---------------|---------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>003 | 1/7/1997   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/24/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/26/1998  | 3                | 179           | 8.4                 | ---                | 189             | 315           | <0.1                | 110           | 0.03         | ---             | 12.1            |
|              | 3/24/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/31/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/1999 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/4/2000   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/26/2000 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/2/2001   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/2001 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
| NPDES<br>005 | 3/3/1983   | ---              | 255.8         | 7.45                | ---                | 360             | 76            | ---                 | 820           | ---          | ---             | ---             |
|              | 3/4/1983   | ---              | 605.9         | ---                 | ---                | ---             | 40            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/12/1983  | ---              | 0             | ---                 | ---                | ---             | 48            | ---                 | 190           | ---          | ---             | ---             |
|              | 5/17/1983  | ---              | 89.8          | 8.4                 | ---                | 450             | 12            | ---                 | 280           | ---          | ---             | ---             |
|              | 5/19/1983  | ---              | 22.4          | ---                 | ---                | ---             | 9             | ---                 | ---           | ---          | ---             | ---             |
|              | 5/24/1983  | 15               | 412.9         | 8.2                 | ---                | ---             | 5             | ---                 | ---           | ---          | ---             | ---             |
|              | 5/26/1983  | ---              | 345.6         | ---                 | ---                | ---             | 5             | ---                 | ---           | ---          | ---             | ---             |
|              | 5/31/1983  | ---              | 327.6         | 7.65                | ---                | ---             | 4             | ---                 | ---           | ---          | ---             | ---             |
|              | 6/2/1983   | ---              | 197.5         | ---                 | ---                | ---             | 4             | ---                 | ---           | ---          | ---             | ---             |
|              | 6/7/1983   | ---              | 89.8          | 8                   | ---                | ---             | 4             | ---                 | ---           | ---          | ---             | ---             |
|              | 6/9/1983   | ---              | 49.4          | ---                 | ---                | ---             | 3             | ---                 | ---           | ---          | ---             | ---             |
|              | 6/10/1983  | ---              | 49.4          | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/14/1983  | ---              | 13.5          | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/28/1983  | ---              | 9             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/5/1983   | ---              | 9             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/26/1983  | 21               | 22.4          | 8                   | ---                | 500             | 14            | ---                 | 320           | ---          | ---             | ---             |
|              | 7/28/1983  | ---              | 13.5          | ---                 | ---                | ---             | 10            | ---                 | ---           | ---          | ---             | ---             |
|              | 8/2/1983   | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/9/1983   | ---              | 125.7         | 8.25                | ---                | 450             | 4             | ---                 | 305           | ---          | ---             | ---             |
|              | 8/11/1983  | ---              | 9             | ---                 | ---                | ---             | 18            | ---                 | ---           | ---          | ---             | ---             |
|              | 8/16/1983  | 24               | 834.8         | 8.3                 | ---                | ---             | 4             | ---                 | ---           | ---          | ---             | ---             |
|              | 8/18/1983  | ---              | 273.8         | ---                 | ---                | ---             | 14            | ---                 | ---           | ---          | ---             | ---             |
|              | 8/23/1983  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/27/1984  | ---              | 80.8          | 8.35                | ---                | 670             | ---           | ---                 | 320           | ---          | ---             | ---             |
|              | 3/29/1984  | -2               | 125.7         | ---                 | ---                | ---             | <4            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/3/1984   | ---              | 314.2         | 7.85                | ---                | 1030            | 14            | ---                 | 315           | ---          | ---             | ---             |
|              | 4/5/1984   | 1                | 628.3         | ---                 | ---                | ---             | 8             | ---                 | ---           | ---          | ---             | ---             |
|              | 4/10/1984  | 1                | 915.5         | 8.15                | ---                | ---             | 10            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/12/1984  | ---              | 727.1         | ---                 | ---                | ---             | 14            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/17/1984  | 6.5              | 534.1         | 8.95                | ---                | 750             | 18            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/19/1984  | ---              | 709.1         | ---                 | ---                | ---             | 16            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/24/1984  | ---              | 255.8         | 9.15                | ---                | ---             | 14            | ---                 | ---           | ---          | ---             | ---             |
|              | 4/26/1984  | ---              | 287.2         | ---                 | ---                | ---             | 6             | ---                 | ---           | ---          | ---             | ---             |
|              | 5/1/1984   | ---              | 341.1         | 9.15                | ---                | ---             | 10            | ---                 | ---           | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp     | Flow   | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|------------|----------|--------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |            | (deg. C) | (gpm)  | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>005 | 5/3/1984   | ---      | 394.9  | ---        | ---     | ---     | 26     | ---       | ---    | ---    | ---    | ---    |
|              | 5/8/1984   | 6        | 359    | 8.85       | ---     | ---     | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 5/10/1984  | ---      | 269.3  | ---        | ---     | ---     | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 5/15/1984  | ---      | 224.4  | 8.65       | ---     | ---     | 10     | ---       | ---    | ---    | ---    | ---    |
|              | 5/16/1984  | 14.5     | 210.9  | 8.5        | ---     | ---     | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 5/17/1984  | ---      | 202    | ---        | ---     | ---     | 16     | ---       | ---    | ---    | ---    | ---    |
|              | 5/22/1984  | ---      | 125.7  | 8.75       | ---     | ---     | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 5/24/1984  | ---      | 103.2  | ---        | ---     | ---     | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 5/29/1984  | ---      | 35.9   | 8.7        | ---     | ---     | 6      | ---       | ---    | ---    | ---    | ---    |
|              | 5/31/1984  | ---      | 6      | ---        | ---     | ---     | <4     | ---       | ---    | ---    | ---    | ---    |
|              | 6/5/1984   | 15       | 161.4  | 8.8        | ---     | ---     | 14     | ---       | 620    | ---    | ---    | ---    |
|              | 6/7/1984   | ---      | 269.3  | ---        | ---     | ---     | 12     | ---       | ---    | ---    | ---    | ---    |
|              | 6/12/1984  | 15       | 44.9   | 8.8        | ---     | ---     | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 6/14/1984  | ---      | 35.9   | ---        | ---     | ---     | 12     | ---       | ---    | ---    | ---    | ---    |
|              | 8/2/1984   | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 8/21/1984  | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 8/28/1984  | 17       | 25     | 9.4        | ---     | ---     | <4     | ---       | 735    | ---    | ---    | ---    |
|              | 11/27/1984 | ---      | 0      | 8.75       | ---     | ---     | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 3/26/1985  | 3        | 2315.9 | 7.9        | ---     | ---     | 30     | ---       | 565    | ---    | ---    | ---    |
|              | 3/28/1985  | ---      | 1858.1 | ---        | ---     | ---     | 24     | ---       | ---    | ---    | ---    | ---    |
|              | 4/2/1985   | ---      | 870.7  | 8.2        | ---     | ---     | 18     | ---       | 730    | ---    | ---    | ---    |
|              | 4/4/1985   | ---      | 1171.4 | ---        | ---     | ---     | 130    | ---       | ---    | ---    | ---    | ---    |
|              | 4/8/1985   | 8        | 664.3  | 7.9        | ---     | ---     | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 4/11/1985  | 10.5     | 368.1  | 8.6        | ---     | ---     | 56     | ---       | ---    | ---    | ---    | ---    |
|              | 4/16/1985  | 13       | 305.2  | 8.55       | ---     | ---     | 18     | ---       | ---    | ---    | ---    | ---    |
|              | 4/18/1985  | ---      | 287.3  | ---        | ---     | ---     | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 4/23/1985  | ---      | 1202.8 | 8.34       | ---     | ---     | 18     | ---       | ---    | ---    | ---    | ---    |
|              | 4/25/1985  | ---      | 1023.3 | ---        | ---     | ---     | 10     | ---       | ---    | ---    | ---    | ---    |
|              | 4/30/1985  | 11.5     | 552    | 8.74       | ---     | ---     | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 5/7/1985   | 13       | 98.7   | 8.51       | ---     | ---     | 6      | ---       | 664    | ---    | ---    | ---    |
|              | 5/14/1985  | 7.5      | 112.2  | 8.4        | ---     | ---     | 6      | ---       | ---    | ---    | ---    | ---    |
|              | 5/21/1985  | ---      | 71.8   | 8.45       | ---     | ---     | 18     | ---       | ---    | ---    | ---    | ---    |
|              | 5/28/1985  | ---      | 53.9   | 8.6        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 6/4/1985   | 15       | 31.4   | 8.7        | ---     | ---     | <4     | ---       | 832    | ---    | ---    | ---    |
|              | 6/11/1985  | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 6/18/1985  | 20.5     | 98.7   | 8.95       | ---     | ---     | 4      | ---       | ---    | ---    | ---    | ---    |
|              | 11/26/1985 | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 2/18/1986  | 0        | 2962   | 7.35       | ---     | ---     | 34     | <0        | 904    | ---    | ---    | ---    |
|              | 2/25/1986  | 5        | 825.8  | 7.9        | ---     | ---     | 22     | <0        | ---    | ---    | ---    | ---    |
|              | 3/4/1986   | 4.5      | 242.4  | 8.15       | ---     | ---     | 6      | 0         | 604    | ---    | ---    | ---    |
|              | 3/11/1986  | 6.5      | 242.4  | 7.55       | ---     | 1160    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 3/18/1986  | 5        | 219.9  | 8.2        | ---     | 1350    | 14     | 0         | ---    | ---    | ---    | ---    |
|              | 3/25/1986  | 8        | 444.3  | 8.05       | ---     | ---     | 18     | 0         | ---    | ---    | ---    | ---    |
|              | 4/1/1986   | 10.5     | 260.3  | 8.35       | ---     | ---     | 50     | 0         | 650    | ---    | ---    | ---    |
|              | 4/8/1986   | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/15/1986  | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp     | Flow   | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|------------|----------|--------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |            | (deg. C) | (gpm)  | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>005 | 9/23/1986  | 13.5     | 0      | 8.65       | ---     | ---     | 12     | ---       | ---    | ---    | ---    | ---    |
|              | 9/24/1986  | ---      | 1207.3 | 8.75       | ---     | ---     | 6      | <0.1      | 1042   | ---    | ---    | ---    |
|              | 9/30/1986  | 8.5      | 76.3   | 8.65       | ---     | ---     | 14     | 0         | 1014   | ---    | ---    | ---    |
|              | 10/7/1986  | 11.5     | 40.4   | 8.45       | ---     | ---     | 10     | 0         | 970    | ---    | ---    | ---    |
|              | 10/14/1986 | 8.5      | 89.8   | 8.65       | ---     | ---     | 12     | 0         | ---    | ---    | ---    | ---    |
|              | 10/21/1986 | 8.5      | 31.4   | 8.65       | ---     | ---     | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 2/12/1987  | 2.5      | 1557.3 | 8          | ---     | ---     | 20     | <0.1      | 832    | ---    | ---    | ---    |
|              | 2/13/1987  | ---      | 1965.7 | ---        | ---     | ---     | ---    | <0.1      | ---    | ---    | ---    | ---    |
|              | 2/17/1987  | 1.5      | 1180.3 | 8.35       | ---     | ---     | 16     | <0.1      | 662    | ---    | ---    | ---    |
|              | 2/24/1987  | 1        | 18     | 8.18       | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 3/3/1987   | 1        | 18     | 8.65       | ---     | ---     | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 3/10/1987  | 2.5      | 1584.3 | 8.06       | ---     | ---     | 34     | 0         | ---    | ---    | ---    | ---    |
|              | 3/17/1987  | 6        | 390.5  | 8.3        | ---     | ---     | 8      | <0.1      | ---    | ---    | ---    | ---    |
|              | 3/24/1987  | 5        | 40.4   | 8.78       | ---     | ---     | 8      | 0         | ---    | ---    | ---    | ---    |
|              | 3/31/1987  | 5        | 18     | 8.87       | ---     | ---     | 3      | 0         | ---    | ---    | ---    | ---    |
|              | 4/7/1987   | 7        | 641.8  | 8.43       | ---     | ---     | 22     | <0.1      | 388    | ---    | ---    | ---    |
|              | 3/8/1988   | 2.5      | 511.6  | 6.9        | ---     | 530     | 44     | <0.1      | 376    | ---    | ---    | ---    |
|              | 3/15/1988  | 1.5      | 9      | 6.7        | ---     | 690     | 12     | 0         | ---    | ---    | ---    | ---    |
|              | 3/22/1988  | 5        | 390.5  | 7.1        | ---     | 1150    | 18     | 0         | ---    | ---    | ---    | ---    |
|              | 3/29/1988  | 6        | 251.3  | 7.2        | ---     | 1330    | 28     | <0.1      | ---    | ---    | ---    | ---    |
|              | 4/5/1988   | 8        | 40.4   | 7.6        | ---     | 1020    | 28     | <0.1      | 750    | ---    | ---    | ---    |
|              | 5/17/1988  | 17.5     | 336.6  | 8.5        | ---     | 1390    | 8      | <0.1      | 1050   | ---    | ---    | ---    |
|              | 5/24/1988  | 16.5     | 323.1  | 8.3        | ---     | 1660    | 4      | 0         | 1244   | ---    | ---    | ---    |
|              | 5/31/1988  | 15       | 170.1  | 8.2        | ---     | 1720    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 6/7/1988   | 19       | 390.5  | 8.3        | ---     | 1910    | 8      | 0         | 1598   | ---    | ---    | ---    |
|              | 6/14/1988  | 19.5     | 251.3  | 7.95       | ---     | 2110    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 6/21/1988  | 22.5     | 309.7  | 7.9        | ---     | 2180    | 2      | 0         | ---    | ---    | ---    | ---    |
|              | 6/28/1988  | 23.5     | ---    | 8.4        | ---     | 2040    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 1/3/1989   | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/7/1989   | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/14/1989  | 2        | 623.6  | 7.6        | ---     | 340     | 58     | <0.1      | 434    | ---    | ---    | ---    |
|              | 3/21/1989  | 5        | 67.3   | 7.7        | ---     | 960     | 8      | 0         | 678    | ---    | ---    | ---    |
|              | 3/28/1989  | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 8/29/1989  | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 9/5/1989   | 19       | 184    | 9.4        | ---     | 1350    | 12     | <0.2      | 996    | <0.02  | ---    | 0.06   |
|              | 9/12/1989  | 15       | 160    | 8.6        | ---     | 1360    | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 9/19/1989  | 16       | 130    | 9.2        | ---     | 1320    | 2      | ---       | ---    | ---    | ---    | ---    |
|              | 9/26/1989  | ---      | 0      | ---        | ---     | ---     | 0      | ---       | ---    | ---    | ---    | ---    |
|              | 12/26/1989 | ---      | 0      | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/8/1990   | 2        | 587.9  | 7.2        | ---     | 1190    | 24     | <0.2      | 990    | <0.2   | ---    | 0.31   |
|              | 3/13/1990  | 2        | 987.4  | 7.1        | ---     | 678     | 46     | ---       | ---    | ---    | ---    | ---    |
|              | 7/26/1990  | ---      | 534.1  | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 7/27/1990  | 21       | 143.6  | 9          | ---     | ---     | 4      | <0.2      | 1382   | ---    | ---    | ---    |
|              | 8/1/1990   | 16       | 22.4   | 8.2        | ---     | ---     | <2     | ---       | ---    | ---    | ---    | ---    |
|              | 7/1/1991   | ---      | 4.7    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 7/16/1991  | ---      | 4.7    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |

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| Outfall      | Date      | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit: | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|--------------|-----------|------------------|---------------|---------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>005 | 7/23/1991 | ---              | 4.7           | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/30/1991 | ---              | 4.7           | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/5/1992  | 10.1             | ---           | 7.81                | 2080               | ---             | ---           | ---                 | 1678          | ---          | ---             | ---             |
|              | 9/17/1992 | 12.9             | ---           | 7.95                | 2020               | ---             | ---           | ---                 | 1654          | <0.02        | ---             | ---             |
|              | 4/20/1993 | ---              | ---           | ---                 | ---                | 1790            | 32            | <0.1                | 1698          | <0.02        | 1.3             | 1.2             |
|              | 5/18/1993 | ---              | ---           | ---                 | ---                | 2220            | 22            | <0.2                | 1920          | ---          | 1               | ---             |
|              | 6/8/1993  | ---              | ---           | ---                 | ---                | 1640            | 8             | <0.4                | ---           | ---          | 0.25            | ---             |
|              | 7/6/1993  | ---              | ---           | ---                 | ---                | 2340            | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/25/1993 | 13               | ---           | 7.8                 | 2370               | 2740            | ---           | ---                 | 1958          | <0.02        | ---             | ---             |
|              | 1/4/1994  | 1                | <4.5          | 7.3                 | 2270               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/11/1994 | 1                | <4.5          | 7.6                 | 2310               | ---             | <2            | <0.1                | ---           | ---          | ---             | ---             |
|              | 1/18/1994 | 1                | <4.5          | 7.8                 | 2310               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/25/1994 | 2                | <4.5          | 7.6                 | 2320               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/1/1994  | 1                | <4.5          | 7.5                 | 2300               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/8/1994  | 2                | <4.5          | 7.5                 | 2250               | ---             | 22            | <0.1                | 1882          | ---          | ---             | ---             |
|              | 2/15/1994 | 1                | <4.5          | 7.3                 | 2210               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/22/1994 | 2                | <4.5          | 7.2                 | 2240               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/1/1994  | 4                | 9             | 7                   | 1570               | ---             | 24            | <0.1                | ---           | ---          | ---             | ---             |
|              | 3/8/1994  | 1                | 4.5           | 6.9                 | 2004               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/15/1994 | 6                | <4.5          | 7.3                 | 2170               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/22/1994 | 5                | <4.5          | 7.6                 | 2100               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/29/1994 | 8                | 4.5           | 7.7                 | 2110               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/5/1994  | 6                | <4.5          | 7.6                 | 2180               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/12/1994 | 6                | 4.5           | 7.4                 | 2190               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/19/1994 | 15               | 4.5           | 7.5                 | 1350               | ---             | 4             | <0.1                | ---           | ---          | ---             | ---             |
|              | 4/26/1994 | 6                | <4.5          | 7.2                 | 2220               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/3/1994  | 8                | 4.5           | 7.5                 | 2100               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/10/1994 | 9                | 4.5           | 7.94                | 2190               | ---             | 18            | ---                 | 1920          | 0.04         | ---             | 0.2             |
|              | 5/17/1994 | 11               | <4.5          | 8                   | 1410               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/24/1994 | 10               | <4.5          | 8.13                | 2050               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/31/1994 | 10               | <4.5          | 8.13                | 2050               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/7/1994  | 7                | <4.5          | 8.35                | 2030               | ---             | 15            | <0.1                | ---           | ---          | ---             | ---             |
|              | 6/14/1994 | 11               | 4.5           | 8.6                 | 1980               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/21/1994 | 10               | <4.5          | 8.65                | 1810               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/28/1994 | 9                | <4.5          | 8.6                 | 1920               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/5/1994  | 9                | <4.5          | 8.79                | 1960               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/12/1994 | 12               | <4.5          | 8.67                | 1900               | ---             | 15            | <0.1                | ---           | ---          | ---             | ---             |
|              | 7/19/1994 | 9                | <4.5          | 8.76                | 1900               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/26/1994 | 10               | <4.5          | 8.72                | 1880               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/2/1994  | 15               | <4.5          | 8.74                | 2010               | ---             | 17            | <0.1                | 1910          | ---          | ---             | ---             |
|              | 8/9/1994  | 11               | <4.5          | 8.6                 | 2130               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/16/1994 | 18               | <4.5          | 8.8                 | 1950               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/23/1994 | 12               | <4.5          | 8.5                 | 1975               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/30/1994 | 11               | <4.5          | 8.5                 | 2010               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 9/6/1994  | 9                | <4.5          | 8.7                 | 1960               | ---             | 3             | <0.1                | ---           | ---          | ---             | ---             |
|              | 9/13/1994 | 11               | <4.5          | 8.5                 | 1940               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit: | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|--------------|------------|------------------|---------------|---------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>005 | 9/20/1994  | 11               | <4.5          | 8.4                 | 1940               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 9/27/1994  | 11               | <4.5          | 8.6                 | 2000               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 10/4/1994  | 9                | <4.5          | 8.7                 | 2420               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 10/11/1994 | 8                | <4.5          | 8.12                | 1900               | ---             | 3             | <0.1                | 1540          | <0.02        | ---             | 0.35            |
|              | 10/18/1994 | 8                | <4.5          | 7.6                 | 1920               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 10/25/1994 | 5                | <4.5          | 8                   | 1990               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 11/1/1994  | 7                | <4.5          | 7.9                 | 1960               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 11/8/1994  | 4                | <4.5          | 7.9                 | 2030               | ---             | 28            | <0.1                | ---           | ---          | ---             | ---             |
|              | 11/15/1994 | 5                | <4.5          | 8                   | 1990               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 11/22/1994 | 4                | <4.5          | 7.8                 | 2010               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 11/29/1994 | 5                | <4.5          | 7.7                 | 2020               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/6/1994  | 4                | <4.5          | 7.7                 | 1995               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/13/1994 | 3                | <4.5          | 7.9                 | 1980               | ---             | 11            | 0.1                 | ---           | ---          | ---             | ---             |
|              | 12/20/1994 | 4                | <4.5          | 7.7                 | 2040               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/27/1994 | 3                | <4.5          | 7.8                 | 2090               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/16/1995  | ---              | <4.5          | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/19/1996  | 8                | 9             | 8.1                 | 655                | 643             | 7             | <0.1                | 433           | ---          | ---             | ---             |
|              | 3/20/1996  | ---              | 9             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/27/1996  | 7                | 9             | 8.4                 | 747                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/2/1996   | 10               | 287.2         | 8                   | 833                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/9/1996   | 8                | 9             | 8.2                 | 1310               | 1868            | 6             | <0.1                | 1560          | 0.03         | ---             | <0.05           |
|              | 4/16/1996  | 10               | 22.4          | 8.1                 | 523                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/17/1996  | 9                | 22.4          | 8.3                 | 679                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/23/1996  | 12               | 4.5           | 8.1                 | 1780               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/30/1996  | 12               | 4.5           | 8.2                 | 1740               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/7/1996   | 10               | 4.5           | 7.4                 | 1257               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/14/1996  | 12               | 4.5           | 8.2                 | 990                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/21/1996  | 10               | 4.5           | 8.3                 | 881                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/28/1996  | 17               | 4.5           | 8.4                 | 894                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/4/1996   | 20               | 4.5           | 8.4                 | 897                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/11/1996  | 10               | 4.5           | 8.2                 | 996                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/18/1996  | 23               | 4.5           | 8.4                 | 1765               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/25/1996  | 11               | 4.5           | 8.3                 | 1130               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/2/1996   | 11               | 4.5           | 8.5                 | 1384               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/9/1996   | 12               | 4.5           | 8.9                 | 1070               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/16/1996  | 12               | 4.5           | 8.7                 | 735                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/23/1996  | 12               | 4.5           | 7.9                 | 1205               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/30/1996  | 11               | 4.5           | 8.26                | 1238               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/26/1998  | 5                | 2370          | 8.1                 | 360                | 459             | 77            | <0.1                | 278           | 0.02         | ---             | 4.4             |
|              | 3/30/1998  | 4                | 287.3         | 8.3                 | 560                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/6/1998   | 10               | 100           | 8.3                 | 980                | 916             | 8             | <0.1                | 640           | ---          | ---             | ---             |
|              | 4/14/1998  | 9                | 62.4          | 8.2                 | 1090               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/20/1998  | 10               | 31.4          | 8.2                 | 1300               | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/29/1998  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/1999 | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/4/2000   | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall   | Date       | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|---|------------|------------------|---------------|--------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>005  | 12/26/2000 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/2/2001   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/28/2001 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/2/2002   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/31/2002 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/7/2003   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/30/2003 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/6/2004   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/28/2004 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/4/2005   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/27/2005 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/3/2006   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/1/2006   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/8/2006   | 3                | 625.1         | 8.1                | 120                | 146             | 54            | <0.1                | 120           | 0.05         | 3.63            | 4.06            |
|   | 3/14/2006  | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/26/2006 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/2/2007   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/25/2007 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/2/2008   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/30/2008 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/6/2009   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/29/2009 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/6/2010   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/29/2010 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/6/2011   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/29/2011 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 1/3/2012   | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/13/2012  | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/19/2012  | 3                | 4.7           | 7.9                | 920                | 831             | 22            | <0.1                | 559           | 0.03         | 2.13            | 2.54            |
|   | 3/27/2012  | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/26/2012 | ---              | 0             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
| Outfall placed into Subpart H rules, monitoring for flow and constituents ceased from December 2012 to September 2021 |            |                  |               |                    |                    |                 |               |                     |               |              |                 |                 |
|   | 9/14/2021  | ---              | @0            | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 12/7/2021  | ---              | @0            | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
| NPDES<br>006  | 2/25/1982  | ---              | 6.3           | 6.6                | ---                | 120             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/21/1982  | ---              | 12.9          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/9/1982   | ---              | 0.01          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/15/1983  | 3.5              | 3.83          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/17/1983  | ---              | 3             | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 4/17/1984  | ---              | 28.6          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 4/19/1984  | ---              | 3.61          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 5/16/1984  | ---              | 1.72          | 8                  | ---                | ---             | 1900          | ---                 | ---           | ---          | ---             | ---             |
|   | 3/26/1985  | ---              | 6.05          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/28/1985  | ---              | 0.01          | ---                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|   | 3/10/1987  | 3                | 80            | 8.17               | ---                | ---             | 88            | <0.1                | ---           | ---          | ---             | ---             |
|   | 9/1/1987   | 19               | 4.49          | 8.22               | ---                | ---             | 180           | <0.1                | 2174          | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp     | Flow  | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|------------|----------|-------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |            | (deg. C) | (gpm) | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>006 | 9/8/1987   | 21       | 4.49  | 8.23       | ---     | ---     | 20     | <0.1      | 2120   | ---    | ---    | ---    |
|              | 9/15/1987  | 20       | 22.4  | 8.12       | ---     | ---     | 16     | <0.1      | 2042   | ---    | ---    | ---    |
|              | 9/22/1987  | 14       | 13.5  | 8.06       | ---     | ---     | 6      | <0.1      | ---    | ---    | ---    | ---    |
|              | 9/29/1987  | 10       | 13.5  | 7.85       | ---     | ---     | 4      | <0.1      | 1926   | ---    | ---    | ---    |
|              | 10/6/1987  | 8.5      | 13.5  | 8.01       | ---     | ---     | 10     | <0.1      | 1744   | ---    | ---    | ---    |
|              | 10/13/1987 | 9.5      | 18    | 8.18       | ---     | ---     | 8      | <0.1      | ---    | ---    | ---    | ---    |
|              | 10/20/1987 | 8        | 13.5  | 8          | ---     | ---     | 10     | <0.1      | 1620   | ---    | ---    | ---    |
|              | 10/27/1987 | 11.8     | 13.5  | 7.8        | ---     | ---     | 8      | <0.1      | 1608   | ---    | ---    | ---    |
|              | 11/3/1987  | 9.9      | 18    | 7.9        | ---     | ---     | <2     | 0         | 1668   | ---    | ---    | ---    |
|              | 11/11/1987 | 7.4      | 18    | 7.9        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 11/17/1987 | 1.9      | 13.5  | 7.9        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 11/24/1987 | 207      | 13.5  | 7.8        | ---     | ---     | 2      | 0         | ---    | ---    | ---    | ---    |
|              | 12/1/1987  | 3        | 8.98  | 7.9        | ---     | ---     | 60     | 0         | 1368   | ---    | ---    | ---    |
|              | 12/8/1987  | 1        | 8.98  | 8.2        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 12/15/1987 | 2        | 8.98  | 8          | ---     | ---     | 14     | 0         | ---    | ---    | ---    | ---    |
|              | 12/22/1987 | 0        | 13.5  | 7.8        | ---     | ---     | 16     | 0         | ---    | ---    | ---    | ---    |
|              | 12/29/1987 | 0        | 13.5  | 7.6        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 1/5/1988   | 0.3      | 8.98  | 8.5        | ---     | ---     | 10     | 0         | 1806   | ---    | ---    | ---    |
|              | 1/12/1988  | 0.1      | 13.5  | 7.5        | ---     | ---     | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 1/19/1988  | -0.1     | 2.24  | 7.6        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 1/25/1988  | 0        | 4.49  | 7.6        | ---     | ---     | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 2/2/1988   | 0.2      | 1.1   | 6.4        | ---     | ---     | 4      | 0         | 1702   | ---    | ---    | ---    |
|              | 2/9/1988   | -0.5     | 2.5   | 6.6        | ---     | ---     | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 2/16/1988  | 0        | 4.49  | 6.8        | ---     | ---     | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 2/23/1988  | 0        | 4.49  | 6.6        | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 3/1/1988   | 2.5      | 10    | 6.7        | ---     | ---     | 14     | <0.1      | 1134   | ---    | ---    | ---    |
|              | 3/8/1988   | 2        | 98.7  | 6.8        | ---     | 780     | 24     | <0.1      | ---    | ---    | ---    | ---    |
|              | 3/15/1988  | 2.5      | 44.9  | 6.7        | ---     | 1510    | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 3/22/1988  | 3.5      | 911   | 6.6        | ---     | 510     | 276    | <0.5      | ---    | ---    | ---    | ---    |
|              | 3/29/1988  | 5        | 31.4  | 7.1        | ---     | 940     | 22     | <0.1      | ---    | ---    | ---    | ---    |
|              | 4/5/1988   | 8        | 18    | 7.4        | ---     | 1460    | 18     | 0         | 1034   | ---    | ---    | ---    |
|              | 4/12/1988  | 7.5      | 13.5  | 7.3        | ---     | 1480    | 12     | 0         | ---    | ---    | ---    | ---    |
|              | 4/19/1988  | 13.5     | 13.5  | 7.8        | ---     | 1660    | 16     | 0         | ---    | ---    | ---    | ---    |
|              | 4/26/1988  | 10       | 13.5  | 7.5        | ---     | 1530    | 8      | 0         | ---    | ---    | ---    | ---    |
|              | 5/3/1988   | 9        | 18    | 7.6        | ---     | 1710    | 8      | 0         | 1288   | ---    | ---    | ---    |
|              | 5/10/1988  | 11       | 18    | 7.7        | ---     | 1630    | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 5/17/1988  | 17       | 13.5  | 8          | ---     | 1880    | <2     | <0.1      | ---    | ---    | ---    | ---    |
|              | 5/24/1988  | 11.5     | 13.5  | 8          | ---     | 2010    | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 5/31/1988  | 14       | 13.5  | 7.8        | ---     | 1770    | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 6/7/1988   | 19.5     | 13.5  | 8.1        | ---     | 1890    | 2      | 0         | 1462   | ---    | ---    | ---    |
|              | 6/14/1988  | 22       | 8.98  | 7.9        | ---     | 2100    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 6/21/1988  | 23.5     | 8.98  | 7.85       | ---     | 2140    | 10     | 0         | ---    | ---    | ---    | ---    |
|              | 6/28/1988  | 27       | 8.98  | 8.4        | ---     | 2280    | 10     | 0         | ---    | ---    | ---    | ---    |
|              | 7/5/1988   | 24.5     | 4.49  | 8.4        | ---     | 2400    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 7/12/1988  | 23       | 4.49  | 8.4        | ---     | 2370    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 1/3/1989   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 2/28/1989  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/7/1989   | 0.5      | 4.48  | 7.7        | ---     | 1760    | 14     | <0.1      | 1766   | ---    | ---    | ---    |
|              | 3/14/1989  | 2        | 13.5  | 7.5        | ---     | 1190    | 2      | <0.1      | ---    | ---    | ---    | ---    |
|              | 3/21/1989  | 5        | 13.5  | 7.4        | ---     | 1470    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 3/28/1989  | 9.5      | 18    | 7.7        | ---     | 1410    | 2      | 0         | ---    | ---    | ---    | ---    |
|              | 4/4/1989   | 5.5      | 13.5  | 8.2        | ---     | 1600    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 4/11/1989  | 7        | 13.5  | 8.5        | ---     | 1350    | <2     | <0.1      | ---    | ---    | ---    | ---    |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp     | Flow  | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|------------|----------|-------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |            | (deg. C) | (gpm) | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>006 | 4/18/1989  | 15       | 8.98  | 8.4        | ---     | 1600    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 4/25/1989  | 13       | 8.98  | 8.5        | ---     | 1810    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 5/21/1989  | 14       | 135   | 8.5        | ---     | 1890    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 5/9/1989   | 15       | 8.98  | 8.4        | ---     | 1970    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 5/16/1989  | 13       | 8.98  | 8.2        | ---     | 1870    | 14     | 0         | ---    | ---    | ---    | ---    |
|              | 5/23/1989  | 18       | 4.49  | 8.2        | ---     | 2070    | 10     | 0         | ---    | ---    | ---    | ---    |
|              | 5/30/1989  | 20       | 8.98  | 8.3        | ---     | 2200    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 6/6/1989   | 17       | <4.49 | 8.4        | ---     | 2120    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 6/13/1989  | 22       | <4.49 | 8.4        | ---     | 2210    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 6/20/1989  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/26/1989 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/6/1990   | 1        | 242   | 7.3        | ---     | 174     | 142    | <0.2      | 188    | ---    | ---    | ---    |
|              | 3/13/1990  | 1        | <4.4  | 7          | ---     | 522     | 40     | ---       | ---    | ---    | ---    | ---    |
|              | 3/22/1990  | 7        | 22.4  | 7          | ---     | 898     | 10     | ---       | ---    | ---    | ---    | ---    |
|              | 3/27/1990  | 8        | 8.9   | 8.4        | ---     | 1020    | 10     | ---       | ---    | ---    | ---    | ---    |
|              | 4/3/1990   | 15       | <4.4  | 8.5        | ---     | 1480    | 4      | ---       | ---    | ---    | ---    | ---    |
|              | 4/11/1990  | 9        | <4.4  | 8.2        | ---     | 1430    | 4      | ---       | ---    | ---    | ---    | ---    |
|              | 4/17/1990  | 12       | <4.49 | 8.3        | ---     | 1590    | 6      | ---       | ---    | ---    | ---    | ---    |
|              | 4/25/1990  | 9.5      | 4.49  | 8.2        | ---     | 140     | 8      | <0.2      | 1180   | ---    | ---    | ---    |
|              | 5/21/1990  | 16       | <4.49 | 8.5        | ---     | 1800    | <2     | <0.2      | 1256   | ---    | ---    | ---    |
|              | 5/9/1990   | 10.5     | <4.49 | 8.1        | ---     | 1790    | 8      | ---       | ---    | ---    | ---    | ---    |
|              | 5/16/1990  | 14       | <4.49 | 8.3        | ---     | 1710    | 6      | ---       | ---    | ---    | ---    | ---    |
|              | 5/23/1990  | 21       | <4.49 | 8.2        | ---     | 1800    | 14     | ---       | ---    | ---    | ---    | ---    |
|              | 5/30/1990  | 17       | <4.49 | 8.2        | ---     | 1920    | 2      | <0.2      | 1400   | <0.02  | ---    | 0.09   |
|              | 6/6/1990   | 24       | <4.49 | 8.6        | ---     | 1650    | 4      | ---       | ---    | ---    | ---    | ---    |
|              | 6/13/1990  | ---      | <4.49 | ---        | ---     | ---     | ---    | ---       | 1470   | <0.02  | ---    | 0.42   |
|              | 1/8/1991   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/6/1991   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/15/1991  | 5        | 40.4  | 7.8        | ---     | 1260    | 6      | <0.2      | 944    | <0.02  | ---    | <0.05  |
|              | 3/20/1991  | 4        | 4.49  | 7.89       | ---     | 1360    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 3/26/1991  | 6.5      | 4.49  | 8.3        | ---     | 1530    | 8      | 0         | ---    | ---    | ---    | ---    |
|              | 4/2/1991   | 12       | 4.49  | 8.22       | ---     | 1550    | 18     | <0.2      | 1234   | ---    | ---    | ---    |
|              | 4/12/1991  | ---      | 40.4  | 7.9        | ---     | 1610    | 10     | <0.2      | ---    | ---    | ---    | ---    |
|              | 4/17/1991  | ---      | 4.5   | 8.1        | ---     | 1640    | 16     | <0.2      | ---    | ---    | ---    | ---    |
|              | 4/26/1991  | ---      | 4.5   | 8.1        | ---     | 1680    | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 5/1/1991   | 16       | <4.5  | 8.2        | ---     | 1710    | 2      | <0.2      | ---    | ---    | ---    | ---    |
|              | 5/8/1991   | 13.5     | 4.5   | 8.1        | ---     | 1710    | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 5/14/1991  | 19.5     | <4.49 | 8.07       | ---     | 1730    | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 5/21/1991  | ---      | <4.49 | 8.1        | ---     | 1820    | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 5/30/1991  | 16       | <4.49 | 8.1        | ---     | 1810    | 16     | <0.2      | 1394   | ---    | ---    | ---    |
|              | 6/6/1991   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 8/13/1991  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 8/15/1991  | 20.9     | 53.9  | 8.4        | ---     | 2090    | 8      | <0.2      | 942    | <0.02  | ---    | 0.07   |
|              | 8/20/1991  | 17.7     | 53.9  | 7.75       | ---     | 2220    | 6      | 0         | ---    | ---    | ---    | ---    |
|              | 8/27/1991  | 17.5     | 44.9  | 7.74       | ---     | 2170    | 2      | 0         | ---    | ---    | ---    | ---    |
|              | 9/3/1991   | 15.4     | <4.49 | 7.58       | ---     | 2020    | 4      | 0         | ---    | ---    | ---    | ---    |
|              | 9/11/1991  | 12.7     | 71.8  | 7.75       | ---     | 1460    | 8      | <0.2      | ---    | ---    | ---    | ---    |
|              | 9/18/1991  | 108      | 13.5  | 7.95       | ---     | 1810    | 2      | 0         | ---    | ---    | ---    | ---    |
|              | 9/24/1991  | 13.4     | 4.49  | 7.99       | ---     | 1770    | 8      | 0         | ---    | ---    | ---    | ---    |
|              | 10/1/1991  | 17       | 4.5   | 8.26       | ---     | 1730    | 28     | 0         | 854    | ---    | ---    | ---    |
|              | 10/7/1991  | 16       | 4.5   | 8.02       | ---     | 1800    | ---    | 0         | ---    | ---    | ---    | ---    |
|              | 10/8/1991  | 14.4     | 4.49  | 8.28       | ---     | 1840    | <2     | 0         | ---    | ---    | ---    | ---    |
|              | 10/17/1991 | ---      | <4.49 | 8.28       | ---     | ---     | 4      | 0         | ---    | ---    | ---    | ---    |



Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit: | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|--------------|------------|------------------|---------------|---------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>006 | 10/22/1991 | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 10/29/1991 | 5                | 4.49          | 8.03                | ---                | 1910            | <2            | <0.2                | ---           | ---          | ---             | ---             |
|              | 11/6/1991  | 3                | 13.5          | 7.8                 | ---                | 1870            | <2            | <0.2                | 1474          | ---          | ---             | ---             |
|              | 11/12/1991 | ---              | 18            | 8.02                | ---                | 2030            | 6             | 0                   | ---           | ---          | ---             | ---             |
|              | 11/19/1991 | 3                | 31.4          | 8.06                | ---                | 1910            | ---           | 0                   | ---           | ---          | ---             | ---             |
|              | 11/26/1991 | 2.9              | 4.49          | 7.88                | ---                | 2080            | ---           | 0                   | ---           | ---          | ---             | ---             |
|              | 12/3/1991  | 1.5              | <4.49         | 7.81                | ---                | 1810            | 10            | 0                   | ---           | ---          | ---             | ---             |
|              | 12/10/1991 | 2.5              | <4.49         | 7.92                | ---                | 2070            | 18            | 0                   | 1470          | ---          | ---             | ---             |
|              | 12/17/1991 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/4/1992   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/5/1992   | 0.5              | 49.4          | 7.8                 | ---                | 1700            | 8             | <0.2                | 1120          | ---          | ---             | ---             |
|              | 2/11/1992  | 0.5              | 22.4          | 7.7                 | ---                | 1650            | <2            | 0                   | ---           | ---          | ---             | ---             |
|              | 2/18/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/25/1992  | 0.5              | 13.5          | 7.98                | ---                | 1540            | 12            | 0                   | ---           | ---          | ---             | ---             |
|              | 3/2/1992   | 2                | 40.4          | 7.84                | ---                | 880             | <2            | <0.2                | 676           | ---          | ---             | ---             |
|              | 3/10/1992  | 2.5              | 18            | 7.99                | ---                | 1040            | <2            | 0                   | ---           | ---          | ---             | ---             |
|              | 3/17/1992  | 9.5              | 4.49          | 8.5                 | ---                | 1090            | 10            | 0.0001              | ---           | ---          | ---             | ---             |
|              | 3/24/1992  | 6.1              | 4.49          | 8.13                | ---                | 1380            | 6             | <0.1                | ---           | ---          | ---             | ---             |
|              | 3/31/1992  | 105              | 4.49          | 8.27                | ---                | 1440            | <2            | 0                   | ---           | ---          | ---             | ---             |
|              | 4/7/1992   | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/14/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/21/1992  | 12.2             | 40.4          | 8.11                | ---                | 1590            | 2             | 0                   | 1206          | ---          | ---             | ---             |
|              | 4/28/1992  | 21.5             | <4.49         | 8.13                | ---                | 1510            | 4             | 0                   | ---           | ---          | ---             | ---             |
|              | 5/5/1992   | 20.2             | 8.98          | 8.13                | ---                | 1540            | 2             | 0                   | ---           | ---          | ---             | ---             |
|              | 5/12/1992  | 20.6             | 8.98          | 8.3                 | ---                | 1380            | 18            | 0                   | ---           | ---          | ---             | ---             |
|              | 5/19/1992  | 23.1             | <4.49         | 8.22                | ---                | 1500            | 2             | 0                   | ---           | ---          | ---             | ---             |
|              | 5/26/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/27/1992  | 18.1             | <4.49         | 8.05                | ---                | 1530            | 12            | 0                   | ---           | ---          | ---             | ---             |
|              | 6/2/1992   | 23.1             | 4.49          | 8.34                | ---                | 1140            | 6             | 0                   | 786           | ---          | ---             | ---             |
|              | 6/9/1992   | 16.9             | 13.9          | 8.09                | ---                | 1170            | 14            | 0                   | ---           | ---          | ---             | ---             |
|              | 6/16/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/23/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/30/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 7/7/1992   | 16.7             | 130           | 7.78                | ---                | 1600            | 10            | 0                   | 1326          | ---          | ---             | ---             |
|              | 7/14/1992  | 16.2             | 13.5          | 7.56                | ---                | 1240            | <2            | 0                   | ---           | ---          | ---             | ---             |
|              | 7/21/1992  | 26.4             | <4.49         | 8.25                | ---                | 1340            | 2             | 0                   | ---           | ---          | ---             | ---             |
|              | 7/28/1992  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 8/11/1992  | 17               | 22.4          | 7.74                | ---                | 1230            | 6             | 0                   | ---           | ---          | ---             | ---             |
|              | 8/18/1992  | 24.6             | <4.49         | 8.02                | ---                | 1240            | 2             | 0                   | ---           | ---          | ---             | ---             |
|              | 8/25/1992  | 15.4             | 89.7          | 7.67                | ---                | 1420            | <2            | 0                   | ---           | ---          | ---             | ---             |
|              | 9/1/1992   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 11/24/1992 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/1/1992  | 1.1              | 9             | 8.97                | ---                | 1076            | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/7/1992  | ---              | 180           | 7.94                | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/8/1992  | 0.04             | 7             | 8.07                | ---                | 2.06            | 50            | 0                   | 1386          | 0.04         | ---             | 0.34            |
|              | 12/15/1992 | 0.05             | 98.7          | 8.27                | ---                | 1.92            | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/5/1993   | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/12/1993  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/19/1993  | 8                | 89.8          | 8                   | ---                | 1950            | 10            | <0.2                | 1480          | ---          | ---             | ---             |
|              | 1/26/1993  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/3/1993   | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 2/10/1993  | 3                | 25            | 7.2                 | ---                | 1500            | 8             | <0.4                | 1136          | ---          | ---             | ---             |
|              | 2/16/1993  | ---              | 0             | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date      | Temp     | Flow  | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|-----------|----------|-------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |           | (deg. C) | (gpm) | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>006 | 2/23/1993 | ---      | 0     | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/2/1993  | ---      | 0     | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/9/1993  | 9        | 130   | 6.8        | ---     | 760     | 26     | <5        | 866    | ---    | ---    | ---    |
|              | 3/16/1993 | 11       | 71.8  | 7.8        | ---     | 725     | 40     | <0.2      | ---    | ---    | ---    | ---    |
|              | 3/23/1993 | 9        | 31    | 8.4        | ---     | 980     | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 3/30/1993 | 4        | 31    | 8.21       | ---     | 950     | <2     | ---       | ---    | ---    | ---    | ---    |
|              | 4/7/1993  | 4        | 22.4  | 8.8        | ---     | 970     | <2     | <0.2      | ---    | ---    | ---    | ---    |
|              | 4/14/1993 | 2        | 8.98  | 8.5        | ---     | 1525    | 18     | <0.2      | ---    | ---    | ---    | ---    |
|              | 4/20/1993 | 4        | 22.4  | 8.3        | ---     | 1394    | 14     | 0.1       | 978    | <0.02  | ---    | 0.68   |
|              | 4/26/1993 | 6        | 22.4  | 8.3        | ---     | 1786    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/27/1993 | 10       | 18    | 8.3        | ---     | 1830    | <2     | <0.02     | ---    | ---    | ---    | ---    |
|              | 5/3/1993  | 8        | 8.98  | 7.2        | ---     | 1766    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/4/1993  | 9        | 40.4  | 7.3        | ---     | 1739    | <2     | <0.02     | ---    | ---    | ---    | ---    |
|              | 5/11/1993 | 19       | 8.98  | 7.9        | ---     | 1710    | <2     | <0.02     | ---    | ---    | ---    | ---    |
|              | 5/17/1993 | 14       | 4.48  | 7.3        | ---     | 1701    | <2     | <0.02     | ---    | ---    | ---    | ---    |
|              | 5/18/1993 | 12       | 4.48  | 7.4        | ---     | 1721    | 8      | <0.02     | 1398   | ---    | ---    | ---    |
|              | 5/25/1993 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 2/22/1994 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/1/1994  | 2        | 62.8  | 6.9        | ---     | 335     | 14     | <0.1      | 186    | ---    | ---    | ---    |
|              | 3/8/1994  | 2        | 71.8  | 7.1        | ---     | 430     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/15/1994 | 4        | 71.8  | 7.4        | ---     | 655     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/22/1994 | 5        | 22.4  | 7.8        | ---     | 1020    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/28/1994 | 8        | 4.48  | 7.9        | ---     | 1120    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/5/1994  | 6        | <4.48 | 7.7        | ---     | 1210    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/12/1994 | 4        | <4.48 | 7.6        | ---     | 1290    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/19/1994 | 15       | <4.48 | 7.5        | ---     | 1350    | 6      | <0.1      | ---    | ---    | ---    | ---    |
|              | 4/26/1994 | 11       | <4.48 | 7.8        | ---     | 1410    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/3/1994  | 8        | <4.48 | 7.6        | ---     | 1360    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/10/1994 | 11       | <4.48 | 7.85       | ---     | 1510    | 13     | <0.1      | 1230   | 0.06   | ---    | 0.53   |
|              | 5/17/1994 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/2/1995  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/9/1995  | 7        | 53.9  | 8.4        | ---     | 552     | 32     | <0.1      | 400    | <0.02  | ---    | 1.83   |
|              | 5/16/1995 | 14       | <4.48 | 8.1        | ---     | 716     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/23/1995 | 13       | 4.48  | 8.3        | ---     | 950     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/30/1995 | 16       | <4.48 | 8.3        | ---     | 1250    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 6/6/1995  | 16       | <4.48 | 7.9        | ---     | 990     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 6/13/1995 | 16       | <4.48 | 7.9        | ---     | 1308    | 20     | <0.1      | ---    | ---    | ---    | ---    |
|              | 6/20/1995 | 16       | <4.48 | 8          | ---     | 841     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 6/27/1995 | 18       | <4.48 | 7.9        | ---     | 819     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 7/4/1995  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/5/1996  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/12/1996 | 1        | 319   | 8.4        | ---     | 364     | 10     | 0.1       | ---    | ---    | ---    | ---    |
|              | 3/19/1996 | 8        | 4.48  | 8.5        | ---     | 234     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/26/1996 | 5        | <4.48 | 8.4        | ---     | 297     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/2/1996  | 8        | <4.48 | 8          | ---     | 608     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/9/1996  | 12       | <4.48 | 8.3        | ---     | 852     | 11     | <0.1      | ---    | ---    | ---    | ---    |
|              | 4/16/1996 | 9        | <4.48 | 8          | ---     | 822     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/23/1996 | 8        | <4.48 | 8.2        | ---     | 987     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/30/1996 | 10       | <4.48 | 8.1        | ---     | 882     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/7/1996  | 12       | <4.48 | 7.5        | ---     | 1063    | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/14/1996 | 13       | <4.48 | 8.1        | ---     | 600     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/21/1996 | 25       | <4.48 | 8.5        | ---     | 592     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 5/28/1996 | 29       | <4.48 | 8.5        | ---     | 641     | ---    | ---       | ---    | ---    | ---    | ---    |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp<br>(deg. C) | Flow<br>(gpm) | pH(f)<br>std. unit: | Cond(f)<br>(µmhos) | Cond<br>(µmhos) | TSS<br>(mg/l) | SEDSOL<br>(ml/l/hr) | TDS<br>(mg/l) | Fe<br>(mg/l) | Fe(t)<br>(mg/l) | Al(t)<br>(mg/l) |
|--------------|------------|------------------|---------------|---------------------|--------------------|-----------------|---------------|---------------------|---------------|--------------|-----------------|-----------------|
| NPDES<br>006 | 6/4/1996   | 24               | <4.48         | 8.6                 | ---                | 783             | ---           | 0.3                 | ---           | ---          | ---             | ---             |
|              | 6/11/1996  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/11/1997  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/18/1997  | 6                | 8.64          | 8.3                 | ---                | ---             | ---           | <0.1                | ---           | ---          | ---             | ---             |
|              | 3/25/1997  | 5                | <1.62         | 7.8                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/1/1997   | 7                | <1.62         | 8                   | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/8/1997   | 6                | <1.62         | 7.9                 | ---                | ---             | ---           | <0.1                | 830           | ---          | ---             | ---             |
|              | 4/15/1997  | 10               | 8.64          | 8                   | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/22/1997  | 10               | <1.62         | 7.6                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/29/1997  | 13               | 1.62          | 7.6                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/6/1997   | 18               | <4.66         | 7.4                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/13/1997  | 17               | 8.64          | 7.9                 | ---                | ---             | ---           | <0.1                | 750           | ---          | ---             | ---             |
|              | 5/20/1997  | 21               | 8.64          | 8.1                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/27/1997  | 19               | 24.8          | 7.8                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/3/1997   | 24               | 24.8          | 7.8                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/10/1997  | 21               | 31.4          | 8.5                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/17/1997  | 24               | 4.66          | 7.9                 | ---                | ---             | ---           | <0.4                | 710           | ---          | ---             | ---             |
|              | 6/24/1997  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/17/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/24/1998  | 4                | 625           | 8.2                 | ---                | 356             | 34            | <0.1                | 207           | 0.05         | ---             | 1.91            |
|              | 3/31/1998  | 3                | 24.8          | 8                   | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/6/1998   | 10               | 4.65          | 8.3                 | ---                | 950             | <5            | <0.1                | 650           | ---          | ---             | ---             |
|              | 4/13/1998  | 9                | 13.4          | 8.7                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/21/1998  | 10               | 18.8          | 8.4                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 4/29/1998  | 13               | 1.62          | 8.2                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/6/1998   | 15               | 13.4          | 8.3                 | ---                | ---             | <5            | <0.1                | ---           | ---          | ---             | ---             |
|              | 5/14/1998  | 16               | 18.8          | 8.2                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/20/1998  | 19               | 13.4          | 8.9                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 5/28/1998  | 12               | 13.4          | 8.1                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/3/1998   | 21               | 8.64          | 8.2                 | ---                | 1320            | 12            | <0.1                | ---           | ---          | ---             | ---             |
|              | 6/10/1998  | 22               | 8.64          | 8.2                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 6/16/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/1999 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/4/2000   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/26/2000 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/2/2001   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/2001 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
| NPDES<br>014 | 1/7/1997   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/24/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 3/26/1998  | 6                | 8.6           | 8.3                 | 220                | 244             | 44            | <0.1                | 142           | 0.03         | ---             | 1.44            |
|              | 3/30/1998  | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/1999 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/4/2000   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/26/2000 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/2/2001   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/2001 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/2/2002   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/31/2002 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/7/2003   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/30/2003 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 1/6/2004   | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |
|              | 12/28/2004 | ---              | @0            | ---                 | ---                | ---             | ---           | ---                 | ---           | ---          | ---             | ---             |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall      | Date       | Temp     | Flow  | pH(f)      | Cond(f) | Cond    | TSS    | SEDSOL    | TDS    | Fe     | Fe(t)  | Al(t)  |
|--------------|------------|----------|-------|------------|---------|---------|--------|-----------|--------|--------|--------|--------|
|              |            | (deg. C) | (gpm) | std. unit: | (µmhos) | (µmhos) | (mg/l) | (ml/l/hr) | (mg/l) | (mg/l) | (mg/l) | (mg/l) |
| NPDES<br>014 | 1/4/2005   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/27/2005 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/3/2006   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 2/21/2006  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/1/2006   | 6        | 702.8 | 8          | 60      | 66      | 52     | <0.1      | 40     | 0.02   | 1.6    | 1.62   |
|              | 3/8/2006   | 2        | 1.6   | 8.1        | 140     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/14/2006  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/21/2006  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/28/2006  | 5        | 4.7   | 7.9        | 2700    | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/5/2006   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/26/2006 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/2/2007   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/25/2007 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/2/2008   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/8/2008   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 4/15/2008  | 9        | 1.6   | 8.4        | 540     | 615     | 57     | <0.1      | 420    | 0.02   | 2.7    | 3.08   |
|              | 4/22/2008  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/30/2008 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/6/2009   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/29/2009 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/6/2010   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/29/2010 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/6/2011   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/29/2011 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 1/3/2012   | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 2/28/2012  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 3/6/2012   | 2        | 38.4  | 7.6        | 70      | 131     | 10     | <0.1      | 84     | 0.04   | 0.23   | 0.25   |
|              | 3/13/2012  | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |
|              | 12/26/2012 | ---      | @0    | ---        | ---     | ---     | ---    | ---       | ---    | ---    | ---    | ---    |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall              | Date       | As(t)<br>(mg/l) | HCO <sub>3</sub><br>(mg/l) | Ba(t)<br>(mg/l) | B<br>(mg/l) | Ca<br>(mg/l) | Cd(t)<br>(mg/l) | Cr(t)<br>(mg/l) | Cu(t)<br>(mg/l) | F<br>(mg/l) | Mg<br>(mg/l) |
|----------------------|------------|-----------------|----------------------------|-----------------|-------------|--------------|-----------------|-----------------|-----------------|-------------|--------------|
| <b>NPDES<br/>003</b> | 3/26/1998  | 0.004           | 100                        | 0.184           | 0.03        | 23.2         | <0.003          | <0.01           | 0.01            | 0.2         | 7.1          |
| <b>NPDES<br/>005</b> | 9/5/1989   | <0.001          | ---                        | 0.05            | 0.11        | ---          | <0.005          | <0.01           | <0.01           | 0.4         | ---          |
|                      | 3/8/1990   | 0.003           | ---                        | 0.04            | ---         | 104          | <0.005          | <0.01           | <0.01           | 0.2         | 129          |
|                      | 9/17/1992  | ---             | 234                        | ---             | 0.22        | 166          | ---             | ---             | ---             | 0.4         | 169          |
|                      | 4/20/1993  | <0.001          | 492                        | 0.05            | 0.21        | 191          | ---             | <0.01           | <0.01           | 0.4         | 182          |
|                      | 8/25/1993  | ---             | 422                        | ---             | 0.21        | 193          | ---             | ---             | ---             | 0.4         | 193          |
|                      | 5/10/1994  | <0.001          | 470                        | 0.04            | 0.16        | 180          | <0.005          | <0.01           | <0.01           | 0.4         | 170          |
|                      | 10/11/1994 | 0.002           | 550                        | 0.04            | 0.24        | 180          | <0.005          | 0.01            | <0.01           | 0.4         | 160          |
|                      | 4/9/1996   | <0.001          | 505                        | 0.07            | 0.2         | 167          | <0.005          | 0.01            | 0.01            | 0.4         | 146          |
|                      | 3/26/1998  | 0.002           | 134                        | 0.094           | 0.05        | 38.8         | <0.003          | <0.01           | <0.01           | 0.1         | 27.7         |
|                      | 3/8/2006   | 0.001           | 62                         | 0.064           | 0.03        | 17.4         | <0.005          | <0.01           | <0.01           | <0.1        | 3.9          |
|                      | 3/19/2012  | 0.002           | 208                        | 0.076           | 0.08        | 62.1         | <0.01           | <0.02           | <0.02           | 0.1         | 61.7         |
| <b>NPDES<br/>006</b> | 5/9/1990   | ---             | ---                        | ---             | ---         | ---          | ---             | ---             | ---             | ---         | 100          |
|                      | 5/16/1990  | ---             | ---                        | ---             | ---         | ---          | ---             | ---             | ---             | ---         | 99           |
|                      | 5/23/1990  | ---             | ---                        | ---             | ---         | ---          | ---             | ---             | ---             | ---         | 109          |
|                      | 5/30/1990  | <0.001          | ---                        | 0.03            | ---         | ---          | <0.01           | 0.01            | 0.02            | 0.5         | 112          |
|                      | 6/6/1990   | ---             | ---                        | ---             | ---         | ---          | ---             | ---             | ---             | ---         | 109          |
|                      | 6/13/1990  | <0.001          | ---                        | 0.04            | ---         | ---          | 0.02            | 0.18            | 0.1             | 0.5         | 115          |
|                      | 3/15/1991  | 0.005           | 138                        | 0.06            | 0.06        | 73           | <0.005          | <0.01           | <0.01           | 0.2         | 45           |
|                      | 8/15/1991  | <0.0010         | 116                        | 0.15            | 0.17        | 103          | <0.005          | 0.03            | 0.04            | 0.2         | 79           |
|                      | 12/8/1992  | <0.001          | 416                        | 0.11            | 0.22        | 192          | <0.005          | <0.01           | <0.01           | 0.3         | 125          |
|                      | 4/20/1993  | <0.001          | 262                        | 0.05            | 0.14        | 117          |                 | <0.01           | <0.01           | 0.5         | 90           |
|                      | 5/10/1994  | <0.001          | 280                        | 0.05            | 0.1         | 120          | <0.005          | <0.01           | <0.01           | 0.5         | 90           |
|                      | 5/9/1995   | <0.001          | 150                        | 0.07            | <0.02       | 61.4         | <0.005          | <0.01           | 0.01            | 0.31        | 27.9         |
|                      | 3/24/1998  | 0.001           | 122                        | 0.07            | 0.04        | 41.6         | <0.003          | <0.01           | <0.01           | 0.2         | 15.7         |
| <b>NPDES<br/>014</b> | 3/26/1998  | 0.001           | 103                        | 0.089           | 0.04        | 32.8         | <0.003          | <0.01           | <0.01           | 0.1         | 7.2          |
|                      | 3/1/2006   | 0.001           | 30                         | 0.035           | 0.02        | 8.3          | <0.005          | <0.01           | <0.01           | <0.1        | 1.5          |
|                      | 4/15/2008  | 0.002           | 139                        | 0.131           | 0.19        | 60.2         | <0.005          | <0.01           | <0.01           | <0.1        | 23.3         |
|                      | 3/6/2012   | 0.002           | 55                         | 0.045           | 0.03        | 16.7         | <0.01           | <0.02           | <0.02           | <0.1        | 3.5          |

Table 2.7-18c Surface Water Quality Sampling Results for C, I and J Pits Area

| Outfall              | Date       | Pb(t)<br>(mg/l) | Mn<br>(mg/l) | Mn(t)<br>(mg/l) | Mo(t)<br>(mg/l) | Ni<br>(mg/l) | Na<br>(mg/l) | NO3<br>(mg/l) | SAR<br>(ratio) | Se(t)<br>(mg/l) | SO4<br>(mg/l) | Zn(t)<br>(mg/l) |
|----------------------|------------|-----------------|--------------|-----------------|-----------------|--------------|--------------|---------------|----------------|-----------------|---------------|-----------------|
| <b>NPDES<br/>003</b> | 3/26/1998  | <0.04           | <0.005       | 0.192           | <0.01           | <0.01        | 1.2          | 0.57          | 0.05           | <0.002          | 20            | ---             |
| <b>NPDES<br/>005</b> | 3/3/1983   | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.03            |
|                      | 4/12/1983  | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.02            |
|                      | 5/17/1983  | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.02            |
|                      | 7/26/1983  | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | <0.005          |
|                      | 3/27/1984  | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.03            |
|                      | 4/3/1984   | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.05            |
|                      | 8/28/1984  | ---             | 0.048        | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | ---             |
|                      | 3/26/1985  | ---             | 60           | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | 0.018           |
|                      | 4/2/1985   | ---             | ---          | ---             | ---             | ---          | ---          | ---           | ---            | ---             | ---           | <0.005          |
|                      | 9/5/1989   | 0.02            | 0.01         | 0.03            | <0.05           | <0.02        | ---          | 4.84          | ---            | 0.001           | 560           | ---             |
|                      | 3/8/1990   | <0.02           | 0.08         | 0.24            | <0.05           | ---          | ---          | 2.08          | ---            | <0.001          | 525           | ---             |
|                      | 9/17/1992  | ---             | 0.1          | 0.09            | ---             | <0.02        | 97           | <0.02         | 1.28           | ---             | 842           | ---             |
|                      | 4/20/1993  | <0.02           | <0.01        | 0.14            | <0.01           | <0.02        | 105          | 0.43          | 1.32           | <0.001          | 897           | ---             |
|                      | 8/25/1993  | ---             | 0.08         | 0.14            | ---             | <0.02        | 112          | 1.47          | 1.38           | ---             | 1036          | ---             |
|                      | 5/10/1994  | <0.05           | 0.08         | 0.15            | <0.05           | <0.02        | 100          | 1.5           | 1.28           | 0.002           | 850           | ---             |
|                      | 10/11/1994 | <0.05           | 0.13         | 0.16            | <0.05           | <0.02        | 72           | 0.33          | 1.71           | 0.006           | 740           | ---             |
|                      | 4/9/1996   | <0.05           | 0.15         | 0.17            | <0.05           | <0.02        | 85           | 0.53          | 1.16           | 0.001           | 209           | ---             |
|                      | 3/26/1998  | <0.04           | 0.053        | 0.115           | <0.01           | <0.01        | 16.7         | 0.31          | 0.5            | <0.002          | 100           | ---             |
|                      | 3/8/2006   | <0.04           | <0.005       | 0.053           | <0.01           | <0.01        | 1.6          | 0.24          | 0.09           | <0.001          | <10           | 0.03            |
|                      | 3/19/2012  | <0.08           | 0.312        | 0.351           | <0.02           | <0.02        | 36.4         | 0.11          | 0.79           | <0.001          | 250           | 0.05            |
| <b>NPDES<br/>006</b> | 5/30/1990  | <0.02           | <0.01        | 0.01            | <0.05           | ---          | ---          | 1.25          | ---            | 0.011           | 677           | ---             |
|                      | 6/13/1990  | 0.02            | <0.01        | 0.02            | <0.05           | ---          | ---          | 0.21          | ---            | 0.007           | 632           | ---             |
|                      | 3/15/1991  | <0.02           | <0.01        | <0.01           | <0.05           | <0.02        | 331          | 3.6           | 7.6            | 0.001           | 296           | ---             |
|                      | 8/15/1991  | 0.05            | <0.01        | 0.05            | <0.05           | ---          | 49           | 1.81          | 0.89           | 0.002           | 486           | ---             |
|                      | 12/8/1992  | <0.02           | 0.13         | 0.12            | <0.05           | <0.02        | 59           | 24.3          | 0.8            | 0.001           | 636           | ---             |
|                      | 4/20/1993  | <0.02           | <0.01        | 0.02            | <0.05           | <0.02        | 78           | 3.99          | 1.33           | 0.003           | 463           | ---             |
|                      | 5/10/1994  | <0.05           | 0.04         | 0.1             | <0.05           | <0.02        | 88           | 0.31          | 1.48           | 0.035           | 410           | ---             |
|                      | 5/9/1995   | <0.05           | <0.01        | 0.06            | <0.05           | <0.02        | 20           | 2.86          | 0.53           | <0.001          | 120           | ---             |
|                      | 3/24/1998  | <0.04           | 0.015        | 0.054           | <0.1            | <0.01        | 10           | 0.52          | 0.33           | <0.002          | 50            | ---             |
| <b>NPDES<br/>014</b> | 3/26/1998  | <0.04           | 0.017        | 0.059           | <0.01           | <0.01        | 3.5          | 1.02          | 0.14           | <0.002          | 20            | ---             |
|                      | 3/1/2006   | <0.04           | 0.012        | 0.047           | <0.01           | <0.01        | 0.5          | 0.41          | 0.04           | <0.001          | <10           | 0.02            |
|                      | 4/15/2008  | <0.04           | <0.005       | 0.041           | <0.01           | <0.01        | 34.4         | 4.64          | 0.96           | 0.011           | 140           | 0.02            |
|                      | 3/6/2012   | <0.08           | 0.029        | 0.036           | <0.02           | <0.02        | 0.7          | <0.1          | 0.04           | <0.001          | 20            | ---             |