

## Pond1 VCM

**1999 VCM EMISSIONS  
POND 1**

| Month          | VCM (ppb)   |
|----------------|-------------|
| Jan-99         | 230         |
| Feb-99         | 440         |
| Mar-99         | 690         |
| Apr-99         | 2890        |
| May-99         | 746         |
| Jun-99         | 472         |
| Jul-99         | 109         |
| Aug-99         | 179         |
| Sep-99         | 1656        |
| Oct-99         | 2914        |
| Nov-99         | 878         |
| Dec-99         | 985         |
| <b>AVERAGE</b> | <b>1016</b> |

Average monthly flow for 001: **930**

Flow from Vinyl is 3/4 of Total flow **698**

Flow from Compound 1/4 of Total flow **233**

|                 |         |        |          |                  |
|-----------------|---------|--------|----------|------------------|
| Flow from Vinyl | 8.3 lbs | 24 hrs | 365 days | Pond 1 Emissions |
|                 | gal     | day    | year     |                  |

VCM Emissions from Pond 1 **3091**

## P5 VCM

|  |  |                        |            |              |  |  |
|--|--|------------------------|------------|--------------|--|--|
|  |  |                        |            |              |  |  |
|  |  | <b>Outfall 001 VCM</b> |            |              |  |  |
|  |  |                        |            |              |  |  |
|  |  | <b>Date</b>            | <b>VCM</b> | <b>Units</b> |  |  |
|  |  | 01/01/99-06/30/99      | 0.0        | ppb          |  |  |
|  |  | 07/01/99-12/31/99      | 0.0        | ppb          |  |  |
|  |  | AVERAGE                | 0.0        | ppb          |  |  |
|  |  | YEARLY                 | 0.0        | lbs          |  |  |
|  |  |                        |            |              |  |  |
|  |  |                        |            |              |  |  |
|  |  |                        |            |              |  |  |
|  |  |                        |            |              |  |  |
|  |  |                        |            |              |  |  |
|  |  |                        |            |              |  |  |

## FLOWS

| 1999 001 FLOW CALCULATIONS |              |            |          |            |         |
|----------------------------|--------------|------------|----------|------------|---------|
|                            | Monthly Avg. | Daily Avg. | Days per | Total Flow |         |
|                            | (GPM)        | Flow       | Month    | per Month  |         |
| Jan-99                     | 981          | 1412555    | 31       | 43789192   |         |
| Feb-99                     | 926          | 1333856    | 28       | 37347980   |         |
| Mar-99                     | 985          | 1418322    | 31       | 43967969   |         |
| Apr-99                     | 818          | 1178116    | 30       | 35343493   |         |
| May-99                     | 860          | 1238151    | 31       | 38382669   |         |
| Jun-99                     | 720          | 1037448    | 30       | 31123453   |         |
| Jul-99                     | 950          | 1368258    | 31       | 42415983   |         |
| Aug-99                     | 901          | 1297904    | 31       | 40235024   |         |
| Sep-99                     | 955          | 1375309    | 30       | 41259259   |         |
| Oct-99                     | 987          | 1420834    | 31       | 44045846   |         |
| Nov-99                     | 1017         | 1464933    | 30       | 43947993   |         |
| Dec-99                     | 1053         | 1516489    | 31       | 47011156   |         |
| Average:                   | 930          |            |          | 488870017  | Gallons |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |
|                            |              |            |          |            |         |



## NH3

| Table 1.                                       |                                  | Table 2.                                                    |                       |                    |                   |                         |                        |                          |  |  |  |
|------------------------------------------------|----------------------------------|-------------------------------------------------------------|-----------------------|--------------------|-------------------|-------------------------|------------------------|--------------------------|--|--|--|
| Average Monthly NH <sub>3</sub> concentrations |                                  | 1999 001 NH <sub>3</sub> DISCHARGE CALCULATIONS             |                       |                    |                   |                         |                        |                          |  |  |  |
| Date                                           | after 7/16/99<br>NH <sub>3</sub> | Month                                                       | Monthly Avg.<br>(gpm) | Daily Avg.<br>Flow | Days per<br>Month | Total Flow<br>per Month | Ammonia<br>Conc. (ppm) | Ammonia<br>Weight (lbs.) |  |  |  |
| Sampled                                        | ppm                              |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 21-Jul-99                                      | 0.63                             | Jan-99                                                      | 981                   | 1412554.6          | 31                | 43789192                | 1.71                   | 624.9                    |  |  |  |
| 28-Jul-99                                      | 0.60                             | Feb-99                                                      | 926                   | 1333856.4          | 28                | 37347980                | 1.01                   | 313.8                    |  |  |  |
| 4-Aug-99                                       | 0.58                             | Mar-99                                                      | 985                   | 1418321.6          | 31                | 43967969                | 1.05                   | 386.0                    |  |  |  |
| 11-Aug-99                                      | 0.53                             | Apr-99                                                      | 818                   | 1178116.4          | 30                | 35343493                | 0.95                   | 280.9                    |  |  |  |
| 17-Aug-99                                      | 0.78                             | May-99                                                      | 860                   | 1238150.6          | 31                | 38382669                | 0.50                   | 161.0                    |  |  |  |
| 25-Aug-99                                      | 1.06                             | Jun-99                                                      | 720                   | 1037448.4          | 30                | 31123453                | 0.92                   | 239.6                    |  |  |  |
| 1-Sep-99                                       | 0.15                             | Jul-99                                                      | 950                   | 1368257.5          | 31                | 42415983                | 0.67                   | 237.2                    |  |  |  |
| 8-Sep-99                                       | 0.86                             | Aug-99                                                      | 901                   | 1297904            | 31                | 40235024                | 0.74                   | 247.6                    |  |  |  |
| 15-Sep-99                                      | 0.75                             | Sep-99                                                      | 955                   | 1375308.6          | 30                | 41259259                | 0.60                   | 205.2                    |  |  |  |
| 22-Sep-99                                      | 0.51                             | Oct-99                                                      | 987                   | 1420833.7          | 31                | 44045846                | 0.63                   | 229.7                    |  |  |  |
| 29-Sep-99                                      | 0.71                             | Nov-99                                                      | 1017                  | 1464933.1          | 30                | 43947993                | 0.58                   | 213.6                    |  |  |  |
| 6-Oct-99                                       | 0.79                             | Dec-99                                                      | 1053                  | 1516488.9          | 31                | 47011156                | 1.20                   | 472.4                    |  |  |  |
| 12-Oct-99                                      | 0.47                             | Total ammonia discharged for 1999:                          |                       |                    |                   |                         | 3612                   | lbs.                     |  |  |  |
| 19-Oct-99                                      | 1.07                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 27-Oct-99                                      | 0.17                             | Ammonium nitrate fertilizer usage for 1999:                 |                       |                    |                   |                         | 60000                  | lbs.                     |  |  |  |
| 3-Nov-99                                       | 1.01                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 10-Nov-99                                      | 0.06                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 17-Nov-99                                      | 0.76                             | Actual Ammonia Usage for 1999 (Compound is 22.536% Ammonia) |                       |                    |                   |                         |                        |                          |  |  |  |
| 22-Nov-99                                      | 0.50                             | (0.22536) × (60,000 lbs.)                                   |                       |                    |                   |                         | 13522                  | lbs.                     |  |  |  |
| 1-Dec-99                                       | 0.68                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 9-Dec-99                                       | 1.10                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 15-Dec-99                                      | 1.45                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 22-Dec-99                                      | 1.19                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
| 28-Dec-99                                      | 1.60                             |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |
|                                                |                                  |                                                             |                       |                    |                   |                         |                        |                          |  |  |  |

Cl2

| <b>Chlorine Cylinders Used in 1999</b> |           |
|----------------------------------------|-----------|
| <b># Of 1 ton cylinders used:</b>      | <b>47</b> |
| <b># Of 150 lb. cylinders used:</b>    | <b>4</b>  |

**Total lbs. of chlorine used: 94600**

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[illegible]

## 1999 Hazardous Waste Shipments

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