

**SPARTON**

**SPARTON TECHNOLOGY**

March 1, 1995



Technical Section (6H-CD)  
RCRA Enforcement Branch  
Hazardous Waste Management Division  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, Texas 75202-2733

Attention: Mr. Ronald Crossland

Reference: Monthly Report  
Sparton Technology, Inc.

Gentlemen:

This is the monthly progress report for Sparton Technology, Inc.'s Coors Road Facility, located in Albuquerque, New Mexico, as required in Section IV.C of the Consent Order. This report summarizes activities performed at the site during the month of January 1995.

Site Activities

1. Air stripper removal efficiencies continue to average about 99 percent for the measured indicator parameters. During the month, 24,800 gallons of recovered groundwater were treated, bringing the total volume treated to date to 3,162,700 gallons. Air stripper performance data is included in Attachment 1.

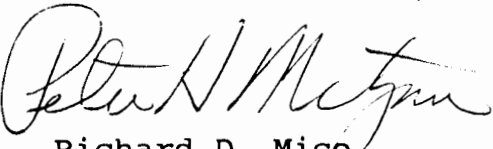
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March 1, 1995  
Technical Section (6H-CD)  
RCRA Enforcement Branch  
Hazardous Waste Management Division  
U.S. Environmental Protection Agency  
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This concludes our progress report for the month of January 1995. If you have any questions, please contact the undersigned.

Very truly yours,

SPARTON TECHNOLOGY, INC.

*for*   
Richard D. Mico  
Vice President/General Manager

Attachments: (as stated)

cc: NMED  
J. Appel  
P. Chandler  
J. Wakefield  
G. Richardson

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ATTACHMENT 1

Air Stripper Performance Data

002817

AIR STRIPPER PERFORMANCE

Sparton Technology, Inc.  
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb) )

| DATE<br>SAMPLED | 1,1-Dichloroethylene<br>[-----] |          |                      | Methylene Chloride<br>[-----] |          |                      | 1,1,1-Trichloroethane<br>[-----] |          |                      | Trichloroethylene<br>[-----] |          |                      |
|-----------------|---------------------------------|----------|----------------------|-------------------------------|----------|----------------------|----------------------------------|----------|----------------------|------------------------------|----------|----------------------|
|                 | INFLUENT                        | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                      | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                         | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                     | EFFLUENT | PERCENT<br>REDUCTION |
| 12/12/88        | 21                              | 0.32     | 98.5                 | 293                           | 5.4      | 98.2                 | 95                               | 1.9      | 98.0                 | 328                          | 6.3      | 98.1                 |
| 12/14/88        | 170                             | 1.1      | 99.4                 | 2230                          | 26.5     | 98.8                 | 1090                             | 9.7      | 99.1                 | 2490                         | 22.4     | 99.1                 |
| 12/19/88        | 87                              | 0.4      | 99.5                 | 1320                          | 13.6     | 99.0                 | 862                              | 6.0      | 99.3                 | 2200                         | 14.8     | 99.3                 |
| 12/27/88        | 89                              | 0.5      | 99.4                 | 1250                          | 2.4      | 99.8                 | 648                              | 3.3      | 99.5                 | 1300                         | 7.2      | 99.4                 |
| 01/06/89        | 64                              | 0.2      | 99.7                 | 581                           | 3.3      | 99.4                 | 340                              | 1.7      | 99.5                 | 712                          | 4.1      | 99.4                 |
| 01/23/89        | 82                              | 0.2      | 99.8                 | 545                           | 7.4      | 98.6                 | 570                              | 2.6      | 99.5                 | 1220                         | 7.5      | 99.4                 |
| 02/02/89        | 83                              | 0.3      | 99.6                 | 514                           | 0.1      | 100.0                | 389                              | 2.2      | 99.4                 | 1550                         | 8.6      | 99.4                 |
| 03/06/89        | 107                             | 1.5      | 98.6                 | 38                            | 0.4      | 98.9                 | 708                              | 11.0     | 98.4                 | 1300                         | 21.0     | 98.4                 |
| 04/03/89        | 79                              | 1        | 98.7                 | 84                            | 1        | 98.9                 | 371                              | 0        | 99.7                 | 880                          | 1.5      | 99.8                 |
| 05/01/89        | 94                              | 1        | 98.9                 | 14                            | 1        | 92.9                 | 243                              | 0        | 99.6                 | 632                          | 1        | 99.8                 |
| 06/05/89        | 28                              | 1        | 96.4                 | 148                           | 1        | 99.3                 | 198                              | 0        | 99.5                 | 685                          | 1        | 99.9                 |
| 07/05/89        | 20                              | 0.1      | 99.5                 | 2.4                           | 0.1      | 95.8                 | 154                              | 0.1      | 99.9                 | 452                          | 0.14     | 100.0                |
| 08/07/89        | 27                              | 0.1      | 99.6                 | 2.4                           | 0.1      | 95.8                 | 152                              | 0.18     | 99.9                 | 477                          | 0.19     | 100.0                |
| 09/05/89        | 53                              | 0.1      | 99.8                 | 8.5                           | 0.1      | 98.8                 | 310                              | 0.1      | 100.0                | 785                          | 0.2      | 100.0                |
| 10/02/89        | 62                              | 0.1      | 99.8                 | 2.6                           | 0.1      | 96.2                 | 286                              | 0.1      | 100.0                | 905                          | 0.1      | 100.0                |
| 11/06/89        | 20.9                            | 0.1      | 99.5                 | 140.0                         | 0.3      | 99.8                 | 87.5                             | 0.1      | 99.9                 | 392                          | 0.25     | 99.9                 |
| 12/04/89        | 23.0                            | 0.1      | 99.6                 | 131.0                         | 0.2      | 99.8                 | 71                               | 0.1      | 99.9                 | 378                          | 0.40     | 99.9                 |
| 01/08/90        | 19.7                            | 0.1      | 99.5                 | 140.0                         | 0.4      | 99.7                 | 90.3                             | 0.18     | 99.8                 | 359                          | 0.91     | 99.7                 |
| 02/05/90        | 34.0                            | 0.1      | 99.7                 | 44.0                          | 0.2      | 99.5                 | 250                              | 0.47     | 99.8                 | 670                          | 1.8      | 99.7                 |
| 03/05/90        | 45.0                            | 0.1      | 99.8                 | 35.0                          | 0.2      | 99.4                 | 240                              | 0.19     | 99.9                 | 780                          | 0.91     | 99.9                 |
| 04/02/90        | 64.0                            | 0.1      | 99.8                 | 10.0                          | 0.4      | 96.0                 | 310                              | 0.1      | 100.0                | 1300                         | 0.32     | 100.0                |
| 05/07/90        | 43.0                            | 0.1      | 99.8                 | 8.7                           | 0.1      | 98.9                 | 190                              | 0.1      | 99.9                 | 720                          | 0.18     | 100.0                |
| 06/04/90        | 70.0                            | 0.1      | 99.9                 | 1.0                           | 0.1      | 90.0                 | 180                              | 0.1      | 99.9                 | 820                          | 0.1      | 100.0                |
| 07/02/90        | 30.0                            | 0.1      | 99.7                 | 1.0                           | 1.0      | ----                 | 140                              | 0.1      | 99.9                 | 625                          | 0.1      | 100.0                |
| 08/06/90        | 40.0                            | 0.1      | 99.8                 | 21.0                          | 0.1      | 99.5                 | 140                              | 0.1      | 99.9                 | 550                          | 0.59     | 99.9                 |
| 09/10/90        | 44.0                            | 0.1      | 99.8                 | 5.9                           | 0.1      | 98.3                 | 150                              | 1.0      | 99.9                 | 880                          | 1.0      | 99.9                 |
| 10/01/90        | 93.0                            | 1.0      | 98.9                 | 6.7                           | 1.0      | 85.1                 | 290                              | 1.0      | 99.7                 | 1200                         | 1.0      | 99.9                 |
| 11/05/90        | 64.0                            | 1.0      | 98.4                 | 10.0                          | 1.0      | 90.0                 | 200                              | 1.0      | 99.5                 | 1200                         | 1.0      | 99.9                 |
| 12/19/90        | 26.0                            | 1.0      | 96.2                 | 1.0                           | 1.0      | ----                 | 120                              | 1.0      | 99.2                 | 460                          | 1.0      | 99.8                 |
| 01/08/91        | 68.0                            | 1.0      | 98.5                 | 22.0                          | 1.0      | 95.5                 | 490                              | 1.0      | 99.8                 | 1620                         | 3.5      | 99.8                 |
| 02/04/91        | 82.0                            | 1.0      | 98.8                 | 1.0                           | 1.0      | ----                 | 396                              | 1.0      | 99.7                 | 1500                         | 1.6      | 99.9                 |
| 03/18/91        | 330.0                           | 1.0      | 99.7                 | 1.0                           | 1.0      | ----                 | 210                              | 1.0      | 99.5                 | 550                          | 1.0      | 99.8                 |

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AIR STRIPPER PERFORMANCE  
(CONTINUED)  
Sparton Technology, Inc.  
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb) )

| DATE<br>SAMPLED | 1,1-Dichloroethylene<br>[-----] |          |                      | Methylene Chloride<br>[-----] |          |                      | 1,1,1-Trichloroethane<br>[-----] |          |                      | Trichloroethylene<br>[-----] |          |                      |
|-----------------|---------------------------------|----------|----------------------|-------------------------------|----------|----------------------|----------------------------------|----------|----------------------|------------------------------|----------|----------------------|
|                 | INFLUENT                        | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                      | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                         | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                     | EFFLUENT | PERCENT<br>REDUCTION |
| 04/01/91        | 72.0                            | 1.0      | 98.6                 | 1.0                           | 1.0      | ----                 | 150.0                            | 1.0      | ----                 | 820.0                        | 1.0      | 99.9                 |
| 05/06/91        | 22.0                            | 1.0      | 95.5                 | 1.0                           | 1.0      | ----                 | 140.0                            | 1.0      | 99.3                 | 770.0                        | 1.0      | 99.9                 |
| 06/03/91        | 180.0                           | 1.0      | 99.4                 | 31.0                          | 1.0      | 96.8                 | 620.0                            | 1.0      | 99.8                 | 2100.0                       | 1.7      | 99.9                 |
| 06/30/91        | 41.0                            | 1.0      | 97.6                 | 1.0                           | 1.0      | ----                 | 110.0                            | 1.0      | 99.1                 | 360.0                        | 1.2      | 99.7                 |
| 08/02/91        | 88.0                            | 1.0      | 98.9                 | 5.0                           | 1.0      | 80.0                 | 340.0                            | 1.0      | 99.7                 | 1200.0                       | 1.0      | 99.9                 |
| 09/09/91        | 10.0                            | 1.0      | 90.0                 | 10.0                          | 1.0      | 90.0                 | 390.0                            | 1.0      | 99.7                 | 1700.0                       | 1.0      | 99.9                 |
| 10/7/91         | 74.0                            | 1.0      | 98.6                 | 1.0                           | 1.0      | ----                 | 320.0                            | 1.0      | 99.7                 | 1100.0                       | 1.0      | 99.9                 |
| 11/04/91        | 130.0                           | 1.0      | 99.2                 | 1.0                           | 1.0      | ----                 | 290.0                            | 1.0      | 99.7                 | 1400.0                       | 1.0      | 99.9                 |
| 12/02/91        | 62.0                            | 1.0      | 98.4                 | 1.0                           | 1.0      | ----                 | 270.0                            | 1.0      | 99.6                 | 1000.0                       | 1.0      | 99.9                 |
| 01/06/92        | 100.0                           | 1.0      | 99.0                 | 1.0                           | 1.0      | ----                 | 250.0                            | 1.0      | 99.6                 | 2000.0                       | 1.1      | 99.9                 |
| 02/03/92        | 150.0                           | 1.7      | 98.9                 | 77.0                          | 1.0      | 98.7                 | 390.0                            | 4.0      | 99.0                 | 1900.0                       | 1.3      | 99.9                 |
| 03/02/92        | 160.0                           | 1.0      | 99.4                 | 4.9                           | 1.0      | 79.6                 | 420.0                            | 1.0      | 99.8                 | 1300.0                       | 1.0      | 99.9                 |
| 04/01/92        | 100.0                           | 1.0      | 99.0                 | 1.0                           | 1.0      | ----                 | 490.0                            | 1.0      | 99.8                 | 2800.0                       | 1.0      | 100.0                |
| 05/06/92        | 35.0                            | 1.0      | 97.1                 | 2.0                           | 1.0      | 50.0                 | 210.0                            | 1.0      | 99.5                 | 1400.0                       | 1.0      | 99.9                 |
| 06/01/92        | 61.1                            | 1.0      | 98.4                 | 1.0                           | 1.0      | ----                 | 185.0                            | 1.0      | 99.5                 | 530.0                        | 1.0      | 99.8                 |
| 07/01/92        | 76.0                            | 1.0      | 98.7                 | 1.3                           | 1.0      | 23.1                 | 156.0                            | 1.0      | 99.4                 | 776.0                        | 1.0      | 99.9                 |
| 08/10/90        | 28.0                            | 1.0      | 96.4                 | 33.0                          | 1.0      | 97.0                 | 211.0                            | 1.0      | 99.5                 | 830.0                        | 1.0      | 99.9                 |
| 09/11/92        | 67.0                            | 1.0      | 98.5                 | 112.0                         | 1.0      | 99.1                 | 185.0                            | 1.0      | 99.5                 | 747.0                        | 1.0      | 99.9                 |
| 10/01/92        | 58.0                            | 1.0      | 98.3                 | 1.0                           | 1.0      | ----                 | 164.0                            | 1.0      | 99.4                 | 964.0                        | 1.0      | 99.9                 |
| 11/02/92        | 114.0                           | 1.0      | 99.1                 | 18.0                          | 1.0      | 94.4                 | 261.0                            | 1.0      | 99.6                 | 1140.0                       | 1.0      | 99.9                 |
| 12/01/92        | 70.0                            | 1.0      | 98.6                 | 1.0                           | 1.0      | ----                 | 194.0                            | 1.0      | 99.5                 | 875.0                        | 1.0      | 99.9                 |
| 01/04/93        | 74.0                            | 1.0      | 98.6                 | 24.0                          | 1.0      | 95.8                 | 220.0                            | 1.9      | 99.1                 | 1020.0                       | 1.0      | 99.9                 |
| 02/01/93        | 46.0                            | 1.0      | 97.8                 | 1.0                           | 1.0      | ----                 | 140.0                            | 1.0      | 99.3                 | 860.0                        | 1.0      | 99.9                 |
| 03/01/93        | 1.0                             | 1.0      | ----                 | 328                           | 1.0      | 96.9                 | 180.0                            | 1.0      | 99.4                 | 1200.0                       | 1.0      | 99.9                 |
| 04/06/93        | 35.0                            | 1.0      | 97.1                 | 268                           | 1.0      | 96.2                 | 120.0                            | 1.0      | 99.2                 | 630.0                        | 3.8      | 99.4                 |
| 05/05/93        | 30.0                            | 1.0      | 96.7                 | 568                           | 1.0      | 98.2                 | 86.0                             | 1.0      | 98.8                 | 520.0                        | 1.0      | 99.8                 |
| 06/08/93        | 64.0                            | 1.0      | 98.4                 | 528                           | 1.0      | 98.1                 | 161.0                            | 1.0      | 99.4                 | 710.0                        | 1.0      | 99.9                 |
| 07/12/93        | 18.0                            | 1.0      | 94.4                 | 13.0                          | 1.0      | 92.3                 | 140.0                            | 6.7      | 95.2                 | 750.0                        | 39.0     | 94.8                 |
| 08/13/93        | 37.0                            | 1.0      | 97.3                 | 1.0                           | 1.0      | ----                 | 150.0                            | 1.0      | 99.3                 | 840.0                        | 1.0      | 99.9                 |
| 08/13/93*       | 45.0                            | 0.2      | 99.6                 | 10.0                          | 2.0      | 80.0                 | 170.0                            | 0.2      | 99.9                 | 840.0                        | 0.2      | 100.0                |
| 09/15/93        | 35.0                            | 1.0      | 97.1                 | 1.0                           | 1.0      | ----                 | 160.0                            | 1.0      | 99.4                 | 940.0                        | 1.0      | 99.9                 |
| 10/14/93        | 58.0                            | 1.0      | 98.3                 | 1.0                           | 1.0      | ----                 | 200.0                            | 1.0      | 99.5                 | 940.0                        | 1.0      | 99.9                 |

Note: Influent detection limits for 08/02/81 and 09/09/91 are 5.0 ug/l and 10.0 ug/l, respectively which is higher than previous detection limits.  
B indicates analyte was detected in the laboratory blank.

\*: Duplicate analysis

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AIR STRIPPER PERFORMANCE  
(CONTINUED)  
Sparton Technology, Inc.  
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb) )

| DATE<br>SAMPLED | 1,1-Dichloroethylene<br>[-----] |          |                      | Methylene Chloride<br>[-----] |          |                      | 1,1,1-Trichloroethane<br>[-----] |          |                      | Trichloroethylene<br>[-----] |          |                      |
|-----------------|---------------------------------|----------|----------------------|-------------------------------|----------|----------------------|----------------------------------|----------|----------------------|------------------------------|----------|----------------------|
|                 | INFLUENT                        | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                      | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                         | EFFLUENT | PERCENT<br>REDUCTION | INFLUENT                     | EFFLUENT | PERCENT<br>REDUCTION |
| 11/03/93        | 88.0                            | 1.0      | 98.9                 | 49.0                          | 1.0      | 98.0                 | 280.0                            | 1.0      | 99.6                 | 1400.0                       | 1.2      | 99.9                 |
| 12/20/93        | 42.0                            | 1.0      | 97.6                 | 1.0                           | 1.0      | ----                 | 170.0                            | 1.0      | 99.4                 | 1000.0                       | 1.0      | 99.9                 |
| 01/04/94        | 58.0                            | 1.0      | 98.3                 | 1.0                           | 1.0      | ----                 | 210.0                            | 1.0      | 99.5                 | 1200.0                       | 1.5      | 99.9                 |
| 02/09/94        | 90.0                            | 1.0      | 98.9                 | 1.0                           | 1.0      | ----                 | 250.0                            | 1.0      | 99.6                 | 1200.0                       | 2.6      | 99.8                 |
| 03/04/94        | 53.0                            | 1.0      | 98.1                 | 1.0                           | 1.0      | ----                 | 200.0                            | 1.0      | 99.5                 | 1100.0                       | 1.0      | 99.9                 |
| 04/08/94        | 1.0                             | 1.0      | ----                 | 1.0                           | 1.0      | ----                 | 120.0                            | 1.0      | 99.2                 | 690.0                        | 1.0      | 99.9                 |
| 05/02/94        | 78.0                            | 1.5      | 98.1                 | 41B                           | 1.7B     | 95.9                 | 250.0                            | 1.0      | 99.6                 | 760.0                        | 1.0      | 99.9                 |
| 06/06/94        | 30.0                            | 1.0      | 96.7                 | 1.0                           | 1.0      | ----                 | 93.0                             | 1.0      | 98.9                 | 570.0                        | 1.0      | 99.8                 |
| 07/14/94        | 34.0                            | 1.0      | 97.1                 | 1.0                           | 1.0      | ----                 | 120.0                            | 1.0      | 99.2                 | 620.0                        | 1.0      | 99.8                 |
| 08/01/94        | 22.0                            | 1.0      | 95.5                 | 35.0                          | 1.2      | 96.6                 | 110.0                            | 1.0      | 99.1                 | 670.0                        | 1.0      | 99.9                 |
| 09/01/94        | 53.0                            | 5.0      | 90.6                 | <100                          | <10      | ----                 | 130.0                            | 5.0      | 96.2                 | 740.0                        | 5.0      | 99.3                 |
| 10/03/94        | 1.0                             | 1.0      | ----                 | 1.0                           | 1.0      | ----                 | 99.0                             | 1.0      | 99.0                 | 630.0                        | 1.0      | 99.8                 |
| 11/01/94        | 75.0                            | 1.0      | 98.7                 | 10.0                          | 2.0      | 80.0                 | 240.0                            | 1.0      | 99.6                 | 1300.0                       | 1.0      | 99.9                 |
| 12/02/94        | 25.0                            | 1.0      | 96.0                 | 25.0                          | 1.0      | 96.0                 | 280.0                            | 1.0      | 99.6                 | 1500.0                       | 1.5      | 99.9                 |
| 01/03/95        | 54.0                            | 1.0      | 98.1                 | <40                           | 1.0      | ----                 | 210.0                            | 1.0      | 99.5                 | 1200.0                       | 0.0      | 100.0                |
| AVERAGES        | 63.4                            | 0.8      | 98.7                 | 106.9                         | 1.7      | 98.5                 | 255.8                            | 1.4      | 99.5                 | 1005.8                       | 2.6      | 99.7                 |

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