

**SPARTON**

**SPARTON TECHNOLOGY**

April 25, 1996

*Ron K X*  
*Barbara ✓*  
*FILE: ST/Res/96*



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 March 1996

Site Activities

1. Air stripper removal efficiencies continue to average about 99 percent for the measured indicator parameters. During the month, 20,100 gallons of recovered groundwater were treated, bringing the total volume treated to date to 3,579,400 gallons. Air stripper performance data is included in Attachment 1.

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This concludes our progress report for the month of March 1996.  
If you have any questions, please contact the undersigned.

Very truly yours,

SPARTON TECHNOLOGY, INC.

*Gary & Richard - (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**

**002893**

AIR STRIPPER PERFORMANCE

Sparton Technology, Inc.  
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb) )

| DATE<br>SAMPLED | 1,1-Dichloroethylene |          |                      | Methylene Chloride |          |                      | 1,1,1-Trichloroethane |          |                      | Trichloroethylene |          |                      |
|-----------------|----------------------|----------|----------------------|--------------------|----------|----------------------|-----------------------|----------|----------------------|-------------------|----------|----------------------|
|                 | 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                   | 2.5      | 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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Sparton Technology, Inc.  
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb))

| DATE<br>SAMPLED | 1,1-Dichloroethylene |          |                      | Methylene Chloride |          |                      | 1,1,1-Trichloroethane |          |                      | Trichloroethylene |          |                      |
|-----------------|----------------------|----------|----------------------|--------------------|----------|----------------------|-----------------------|----------|----------------------|-------------------|----------|----------------------|
|                 | 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            | 1.0      | 99.9                 |
| 02/02/95        | <25.0                | 1.0      | —                    | <25.0              | 1.0      | —                    | 140.0                 | 1.0      | 99.3                 | 900.0             | 1.0      | 99.9                 |
| 03/01/95        | 8.8                  | 1.0      | 88.6                 | 1.0B               | 1.0      | —                    | 33.0                  | 1.0      | 97.0                 | 220.0             | 1.0      | 99.5                 |
| 04/03/95        | 26.0                 | 1.0      | 96.2                 | 1.2                | 1.5 B    | —                    | 91.0                  | 1.0      | 98.9                 | 630.0             | 1.0      | 99.8                 |
| 05/01/95        | 39.0                 | 1.0      | 97.4                 | <25.0              | 1.0      | —                    | 100.0                 | 1.0      | 99.0                 | 760.0             | 1.0      | 99.9                 |
| 06/01/95        | 13.0                 | 1.0      | 92.3                 | 10B                | 2.2B     | —                    | 35.0                  | 1.0      | 97.1                 | 240.0             | 1.0      | 99.6                 |
| 07/05/95        | 10.0                 | 1.0      | 90.0                 | 5.4                | 1.0      | 81.5                 | 25.0                  | 1.0      | 96.0                 | 200.0             | 1.0      | 99.5                 |
| 08/03/95        | 9.4                  | 1.0      | 89.4                 | 3.8                | 1.0      | 73.7                 | 24.0                  | 1.0      | 95.8                 | 210.0             | 1.0      | 99.5                 |
| 09/01/95        | 9.4                  | 1.0      | 89.4                 | 3.3                | 1.1      | 66.7                 | 24.0                  | 1.0      | 95.8                 | 200.0             | 1.0      | 99.5                 |
| 10/02/95        | 9.8                  | 1.0      | 89.8                 | 1.0                | 1.0      | —                    | 27.0                  | 1.0      | 96.3                 | 260.0             | 1.0      | 99.6                 |
| 11/01/95        | 10.0                 | 1.0      | 90.0                 | 2.3                | 1.0      | 56.5                 | 28.0                  | 1.0      | 96.4                 | 230.0             | 1.0      | 99.6                 |
| 12/01/95        | 10.0                 | 1.0      | 90.0                 | 2.2                | 1.0      | 54.5                 | 28.0                  | 1.0      | 96.4                 | 280.0             | 1.0      | 99.6                 |
| 01/02/96        | 22.0                 | 1.0      | 95.5                 | 8.9B               | 1.4B     | 84.2                 | 60.0                  | 1.0      | 98.3                 | 520.0             | 1.0      | 99.8                 |
| 02/01/96        | 18.0                 | 1.0      | 94.4                 | 1.0                | 1.0      | —                    | 52.0                  | 1.0      | 98.1                 | 520.0             | 1.0      | 99.8                 |
| 03/04/96        | 15.0                 | 1.0      | 93.3                 | 11B                | 1.0B     | 90.9                 | 40.0                  | 1.0      | 97.5                 | 390.0             | 1.0      | 99.7                 |
| AVERAGES        | 56.3                 | 0.9      | 98.5                 | 91.9               | 1.6      | 98.3                 | 224.9                 | 1.3      | 99.4                 | 914.2             | 2.4      | 99.7                 |

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