

SPARTON

SPARTON TECHNOLOGY

May 24, 1996



*Can be
Ron K
file*

Barbara ✓

FILE: 57 (Rec/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 April 1996

Site Activities

1. Air stripper removal efficiencies continue to average about 99 percent for the measured indicator parameters. During the month, 22,100 gallons of recovered groundwater were treated, bringing the total volume treated to date to 3,601,500 gallons. Air stripper performance data is included in Attachment 1.

002897

May 24, 1996
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 April 1996.
If you have any questions, please contact the undersigned.

Very truly yours,

SPARTON TECHNOLOGY, INC.

A handwritten signature in cursive script, appearing to read "Richard D. Mico", followed by the text "(for)" in parentheses.

Richard D. Mico
Vice President/General Manager

Attachments: (as stated)

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

002898

ATTACHMENT 1
Air Stripper Performance Data

002899

AIR STRIPPER PERFORMANCE

Sparton Technology, Inc.
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb))

| DATE SAMPLED | 1,1-Dichloroethylene | | | Methylene Chloride | | | 1,1,1-Trichloroethane | | | Trichloroethylene | | |
|-----------------|----------------------|----------|----------------------|--------------------|----------|----------------------|-----------------------|----------|----------------------|-------------------|----------|----------------------|
| | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT 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 |

002900

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

(all concentrations in micrograms per liter (ppb))

| DATE SAMPLED | 1,1-Dichloroethylene | | | Methylene Chloride | | | 1,1,1-Trichloroethylene | | | Trichloroethylene | | |
|-----------------|----------------------|----------|----------------------|--------------------|----------|----------------------|-------------------------|----------|----------------------|-------------------|----------|----------------------|
| | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT 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 | --- | 32B | 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 | 26B | 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 | 56B | 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 | 52B | 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 | 94.6 |
| 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

002901

Sparton Technology, Inc.
Albuquerque, New Mexico

(all concentrations in micrograms per liter (ppb))

| DATE SAMPLED | 1,1-Dichloroethylene | | | Methylene Chloride | | | 1,1,1-Trichloroethylene | | | Trichloroethylene | | |
|-----------------|----------------------|----------|----------------------|--------------------|----------|----------------------|-------------------------|----------|----------------------|-------------------|----------|----------------------|
| | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT REDUCTION | INFLUENT | EFFLUENT | PERCENT 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 |
| 04/02/96 | 14.0 | 1.0 | 92.9 | 7.2 | 1.0 | 86.1 | 34.0 | 1.0 | 97.1 | 320.0 | 1.0 | 99.7 |
| AVERAGES | 55.8 | 0.9 | 98.4 | 91.0 | 1.6 | 98.3 | 222.8 | 1.3 | 99.4 | 907.9 | 2.4 | 99.7 |

002902