

SPARTON

SPARTON TECHNOLOGY

November 1, 1994



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 September 1994.

Site Activities

1. Air stripper removal efficiencies continue to average about 99 percent for the measured indicator parameters. During the month, 35,300 gallons of recovered groundwater were treated, bringing the total volume treated to date to 3,037,300 gallons. Air stripper performance data is included in Attachment 1.

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November 1, 1994
Technical Section (6H-CD)
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This concludes our progress report for the month of September 1994. 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. DeWitt
J. Wakefield
G. Richardson

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ATTACHMENT 1

Air Stripper Performance Data

002793

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 |

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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-Trichloroethane [-----] | | | 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 | 94.8 |
| 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 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 |
| 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 | 418 | 1.78 | 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 |
| AVERAGES | 64.7 | 0.8 | 98.7 | 111.6 | 1.7 | 98.5 | 258.4 | 1.4 | 99.5 | 997.8 | 2.7 | 99.7 |

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