SPARTON

SPARTON TECHNOLOGY

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NMED Hazardous
Waste Bureau

February 15, 2002

John E. Kieling, Manager
Permits Management Program
State of New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6033

Re: *Sparton Technology, Inc.-RCRA Post-Closure Permit Application*

Dear Mr. Kieling:

Enclosed with this letter please find a revised RCRA Post-Closure Permit Application. Changes have been made consistent with the resolution of differences over what requests in the June 22, 2001, letter needed to be answered, as well as the fact that before the end of last year, the old drum storage area was clean-closed. I believe that the revised application should now address all of the information needs of NMED.

In reviewing the application, in light of your requests, we identified a few other changes that needed to be made. Given that the old drum storage area is now considered clean closed and NMED's recognition that the new drum storage area has been clean closed for some time, all references to both have been removed. The notice filed in the property records has also been revised to reflect these units are no longer part of the facility. Finally, we have removed the previously approved closure plans as exhibits. Given that closure is complete, we do not believe the regulations require the plans be part of a permit authorizing post-closure activities.

I also need to respond specifically to two of the points raised in your January 28, 2002, letter. In item one, you said Sparton needed to "demonstrate liability coverage." I have been advised by our attorneys that because all of the units at our former Coors Road plant have been closed, there is no need for Sparton Technology, Inc. to provide liability coverage. You may want to take a look at 40 C.F.R. § 264.147(e). Secondly, we were a bit confused about your item three that requested updating Sparton personnel identified as connected with our post-closure care and corrective action requirements. In the revised RCRA Post-Closure Care Application included with this letter, I, as the current Vice-President and General Manager, am listed as the contact person in place of my predecessor, Richard Mico. That is the only place in the application where Sparton personnel are identified. Your other request seems to be directed at information submitted as part of the corrective action process, which is not governed by the post-closure care permit. The Consent Decree sets forth the procedures to be followed in requesting changes to submittals under that agreement. We have treated your letter as an informal request under the Consent Decree to make certain changes, which we will do and submit under separate cover.

Sparton Technology, Inc. □ *4901 Rockaway Blvd., SE* □ *Rio Rancho, NM 87124-4469* □ *(505) 892-5300* □ *FAX (505) 892-5515*

If you should have any questions, please do not hesitate to contact me.

Yours very truly,

SPARTON TECHNOLOGY, INC.

Charles A. Stranko
Vice President and General Manager

Encls.

REVISED
RCRA POST-CLOSURE PERMIT APPLICATION
FOR
SPARTON TECHNOLOGY, INC.,
COORS ROAD PLANT
ALBUQUERQUE, NEW MEXICO

PREPARED FOR
SPARTON TECHNOLOGY, INC.
RIO RANCHO, NEW MEXICO

PREPARED BY
METRIC CORPORATION
ALBUQUERQUE, NEW MEXICO

SEPTEMBER 2000

Revised February 2002

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REVISED

RCRA POST-CLOSURE PERMIT APPLICATION

FOR

SPARTON TECHNOLOGY, INC., COORS ROAD PLANT

ALBUQUERQUE, NEW MEXICO

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Charles Stranko, Vice President and General Manager
Sparton Technology, Inc.

Date: Feb 15, 02

REVISED

RCRA POST-CLOSURE PERMIT APPLICATION FOR SPARTON TECHNOLOGY, INC., COORS ROAD PLANT

INTRODUCTION

This document constitutes a RCRA Post Closure Permit Application addressing permitting requirements of Title 20, Chapter 4, Part 1 of the New Mexico Hazardous Waste Management Regulations adopted by the New Mexico Environmental Improvement Board. Applicable subparts of these regulations directly incorporate regulations of the U.S. Environmental Protection Agency in 40 CFR Parts 260 through 266 and Parts 268 and 270. Sparton first submitted a post closure permit application in March 1986.

The application includes a Part A Hazardous Waste Permit Application Form, and Part B information required. Attachments of supporting data are provided at the end of the document.

1.0 PART A PERMIT APPLICATION (40 CFR 270.13)

A copy of the completed Part A application is provided as ATTACHMENT 1.

2.0 PART B PERMIT APPLICATION (40 CFR 270.14)

2.1 General Description of the Facility [40 CFR 270.14(b)(1)]

2.1.1 General Information

Name of Facility:	Coors Road Plant
Owner and Operator:	Sparton Technology, Inc.
EPA I.D. Number:	NM083212332
Mailing Address:	4901 Rockaway Blvd., SE

	Rio Rancho, New Mexico
	87124-4469
Facility Location:	9621 Coors Road, NW
	Albuquerque, New Mexico
Site Telephone No.:	(505) 892-5300
Type of Facility:	Closed Surface Impoundment

2.1.2 Site Description

Sparton Technology, Inc., operated an electronics manufacturing plant at its Coors Road location from 1961 to 1999. Since the plant was opened, manufactured products have been commercial, industrial, and military electronics which include circuit board assemblies, transducers, sensors, and pressure systems. The printed circuit manufacturing process employed the use of metal plating which generates an aqueous plating waste characterized as hazardous due to its heavy metals content and corrosivity. Electronics assembly employed the use of solvent cleaning which generates spent halogenated and non-halogenated solvents.

The site is located on a 12-acre tract about one half mile northwest of the Rio Grande and on the west side of Coors Road, NW in Bernalillo County, New Mexico. MAPS 1, 2, and 3 provided in ATTACHMENT 2 show the plant vicinity. Locally, the area is hilly and slopes in several wide terraces toward the Rio Grande. The site is approximately 60 feet above the river elevation, and about 60 feet lower than the lowest end of the Paradise Hills residential area, located about three quarters of a mile to the west of the site. Elevations within the property boundaries range from 5,040 to 5,055 feet above sea level. But the elevations within the capped surface impoundment area do not vary more than one or two feet. Approximately 200 feet southeast of the site, across Coors Road, is the Corrales Canal, an irrigation waterway. The Calabacillas Arroyo is located about one quarter mile north of the site. The groundwater table occurs approximately 65 feet below the ground surface at the property and regionally is moving in a west southwesterly direction. In the immediate plant area it is moving in a northwesterly

direction.

There are no existing or planned residential uses of land adjacent to the facility. Current zoning restricts development of residential land uses in proximity to the facility. Commercial land use is currently established on adjacent lands to the north and south of the plant site. Commercial land use is also planned to the west of the facility.

The former Sparton plant is located both within Bernalillo County and City of Albuquerque zoning jurisdictions. Zoning designations are delineated on MAP 3, ATTACHMENT 1. The county M-1 zone and the city SU-1 for C-2 provide for light manufacturing and assembly. Adjacent land to the north is also zoned for manufacturing. To the west and south of the facility, zoning is for commercial development. Lands to the east of the facility are zoned for agriculture. These current zone designations for lands adjacent to the facility are supported and recommended to be maintained in the future by the Coors Corridor Plan (April 1984).

2.1.3 Facility Process

The facility is capped and surrounded by security fencing, and it is used as open space.

2.2 Chemical and Physical Analysis of Waste [40 CFR 270.14(b)(2)]

The electroplating waste previously generated was a liquid at 70° F with a density of 8.8 pounds per gallon and a solids content of 9 percent. A waste material profile and analytical report are provided in ATTACHMENT 3.

Discontinued processing and degreasing operations related to electronics manufacturing generated a spent solvent wash. Predominant constituents of that waste mixture can be inferred from groundwater analyses. Groundwater analyses were first conducted in 1983, and, in 1985, routine quarterly sample analyses were initiated under a State approved program for a number of on-site monitoring wells. Based on these historical groundwater analyses, the primary hazardous constituents of the spent

solvent appear to include trichloroethylene (TCE) and 1,1,1-trichloroethane (TCA), with lesser amounts of methylene chloride (MeCl), acetone, and 1,1-dichloroethylene (DCE). Groundwater analysis data is provided in ATTACHMENTS 1, 9, and 11 of the RCRA Facility Investigation for the site and in ATTACHMENT A of the Consent Decree entered March 3, 2000.

2.3 Waste Analysis Plan [40 CFR 270.14(b)(3)]

Sparton requests a waiver of the requirement for a waste analysis plan, as the surface impoundment was certified closed in 1987.

2.4 Security [40 CFR 270.14 (b)(4)]

The facility will be bounded by a car dealership on one side and an 8-foot-high chain link fence on the other three sides. Access to the area will be by a locking personnel gate in the fence on the northwest side and a locking vehicular gate on the southeast side. Signs will be posted at all gates reading "DANGER, Unauthorized Personnel Keep Out" in English and Spanish. The signs will have black letters on a yellow background, and will be visible from at least 25 feet in all approaching directions. Security inspections of the fences, gates, locks, and signs will take place on a quarterly basis to assure equipment integrity and to look for evidence of vandalism and/or tampering. Should any security problem be found during inspection, or by notification to the facility security office, appropriate personnel will be immediately informed and repairs and/or replacement will commence as soon as possible and be completed prior to the next quarterly inspection. A security checklist component is included in the overall post-closure care inspection checklist provided in ATTACHMENT 4. Future use of the property may require revisions to security provisions of the property.

2.5 General Inspection Schedule {40 CFR 264.15 (b)(2) and 264.15 (d)]

The schedule of inspections and inspection records will be kept at Sparton Technology, Inc., 4901 Rockaway Blvd. SE, Rio Rancho, New Mexico 87124-4469 instead of at the Facility. The inspection records will be kept for a minimum of three years.

[40 CFR 270.14 (b)(5)]

A general inspection of the condition of the facility will be made on a semi-annual basis. To facilitate this inspection, vehicular access to the area will be restricted for a length of time sufficient to complete a thorough inspection. A visual inspection of the entire 3-inch-thick asphalt wearing surface will also be performed. The location of any gouges, cracks, surface movement, and/or pavement deterioration (chemical or natural) will be noted. Any such breaches of the wearing surface which expose (however slightly) the asphalt base will be repaired and will commence immediately. Undisturbed wearing surface material, for a distance of 6 inches in all directions around the breach, will be removed and this area resurfaced as specified for the initial paving in the Closure Plan (ATTACHMENT 5). If, at any time between inspections, any sort of breach of the wearing surface is reported, there will be an immediate inspection to determine if repair is necessary.

Inspection of the ground-water monitoring wells (MW-16 and MW-25 which penetrate the cap), in order to confirm the integrity of the cap, will include the working order of the security caps and physical damage to the protective casing or surface grouting. To the extent that one or both of the wells are no longer needed as part of corrective action, they will be plugged and abandoned as necessary to insure the integrity of the cap. A recommended inspection checklist component for monitoring wells is included in ATTACHMENT 4.

2.6 Preparedness and Prevention [40 CFR 270.14(b)(6)]

Sparton requests a waiver of the requirement for the preparedness and prevention requirements, as the surface impoundment was certified closed in 1987.

2.7 Contingency Plan [40 CFR 270.14(b)(7)]

The facility will not present a current or future threat to human health or the environment, due to the design of the cap. Sparton is committed to an inspection

program during the post-closure period. This program will be conducted by trained Sparton staff. In the event that deterioration of the cap, monitoring wells, or security fence is found by the personnel, repair of the damaged equipment or material will be initiated in a timely manner.

No emergency situations are anticipated to occur at the facility.

2.8 Prevention of Run-off and Contamination of Water Supplies [40 CFR 270.14(b)(8)]

The surface impoundment cap, completed in December 1986, provides protection from runoff across the facility and infiltration into the ground.

2.9 Ignitable, Reactive, and Incompatible Waste Precautions [40 CFR 270.14(b)(9)]

No ignitable, reactive, or incompatible wastes will be stored at the facility. Therefore, Sparton requests a waiver of this requirement.

2.10 Traffic Pattern [40 CFR 270.14(b)(10)]

Traffic in proximity to the facility will be limited to vehicles associated with performing maintenance and monitoring, and will be limited to probably a few vehicles per day. Due to this condition, Sparton requests a waiver of the traffic pattern requirement. Future use of the property may require revisions to the traffic pattern provisions of the permit.

2.11 Facility Location Information [40 CFR 270.14(b)(11)]

2.11.1 Seismic/Faults

As the facility is located in Bernalillo County, New Mexico, it is identified in APPENDIX VI of Part 264 as a political jurisdiction in which compliance with 264.18(a) must be demonstrated. According to Kelley (1977), the facility is not located within 3000 feet of

a fault which has had displacement in Holocene time.

2.11.2 Floodplain

Flooding in the vicinity of the facility is covered by MAP 1, ATTACHMENT 2. As indicated on this map, the facility is located outside the 500-year floodplain. No designated 500-year floodplain boundary is within 500 feet of the facility.

2.12 Personnel Training [40 CFR 270.14(b)(12)]

Personnel training will be an integral part of Sparton's post-closure plan for this facility. The program will assure that the personnel involved in the post-closure activities will be properly trained to inspect the security measures, condition of the closure covers, and groundwater monitoring wells. Such personnel will have received substantial training in environmental field procedures through a combination of academic training and work experience, and may be a combination of Sparton permanent staff and environmental consultant staff. Staff will have completed a 40-hour OSHA hazardous waste health and safety course. As needed over the period of the monitoring program, these professional hydrologists and environmental scientists may train other staff to assist in field sampling efforts of groundwater monitoring and system operation.

Formal training records will be maintained in each staff member's personnel file.

2.13 Post-Closure Plan [40 CFR 270.14(b)(13)]

The Post-Closure Plan is included in the application as ATTACHMENT 6.

2.14 Notice in Deed [40 CFR 270.14(b)(14)]

Sparton has filed with the Clerk of Bernalillo County a Notice of Restriction regarding the facility property, in order to notify any potential purchaser of the property that the land was used to manage hazardous waste. An amended notice is to be filed. A copy of the amended Notice of Restriction is provided as ATTACHMENT 7. The notice will remain in place until Sparton is released from regulatory requirements.

2.15 Closure Cost Estimate [40 CFR 270.14(b)(15)]

The closure has been completed, therefore Sparton requests a waiver of this requirement.

2.16 Post-Closure Cost Estimate and Financial Assurance Demonstration [40 CFR 270.14(b)(16)]

2.16.1 Post-Closure Cost Estimate

A post-closure cost estimate has been submitted pursuant to the consent decree entered March 3, 2000, and will be updated annually as required in the consent decree.

2.16.2 Demonstration of Financial Assurance

Financial assurance information has been submitted pursuant to the consent decree entered March 3, 2000.

2.19 Topographic Map [40 CFR 270.14(b)(19)]

ATTACHMENT 2 provides necessary information on three topographic maps covering 1000 feet distance around the facility at a scale of 1 inch equals 200 feet and a contour interval of 5 feet, and one map which extends 1 mile from the facility. Information provided addresses 40 CFR 270.14(b)(19), and (c)(2), (c)(3), and (c)(4)(I).

MAP 1 delineates the 500-year floodplain in the map area. Surface water courses include intermittent arroyos and irrigation channel. Flood control structures are also shown.

MAP 2 indicates monitoring wells on and off site, groundwater flow direction and rate, water table contours, and extent of plume of contamination.

Map 3 indicates zoning designations and land use. Designations are principally commercial/light manufacturing, agriculture, and single family residential. Existing land use is indicated by shading on the map, as residential, commercial, agriculture, and

undeveloped area. The agriculture designation is for irrigated agriculture only. Commercial land use includes office, retail sales, public utility structures/easement, light manufacturing and assembly, day care center, restaurant, and bank.

Map 4 indicates water wells of record within 1 mile of the facility.

The following referenced maps show groundwater impacts and corrective action systems governed by the Consent Decree entered March 3, 2000:

Reference: Papadopulos, S. S. & Associates, Inc. May 17, 2001. Sparton Technology, Inc. Former Coors Road Plant Remedial Program, 2000 Annual Report.

FIGURES 2.3
2.6
2.7
2.9
2.10
5.17
5.18
5.19

Reference: METRIC Corporation. May 2000. Sparton Technology, Inc. Final Off-Site Containment System Operation and Maintenance Manual.
FIGURE 1
ATTACHMENT B, Sheet 1 of 4

Reference: METRIC Corporation. May 2000. Design Plans and Specifications and Permits for the Source Containment System at the Sparton Coors Road Plant.
ATTACHMENT F, PLATE 2 of 3

2.20 Supplemental Information [40 CFR 270.14(b)(20)]

Since this information is related to corrective action which is addressed in the March 3,

2000 Consent Decree, Sparton requests a waiver of this requirement.

3.0 ADDITIONAL INFORMATION REQUIREMENTS [40 CFR 270.14(c)]

3.1 Summary of Groundwater Monitoring Data [40 CFR 270.14(c)(1)]

A summary of the groundwater monitoring data is provided in ATTACHMENT A to the Consent Decree entered March 3, 2000, and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.2 Aquifer Identification [40 CFR 270.14(c)(2)]

The aquifer identification data is contained in ATTACHMENT A of the Consent Decree entered March 3, 2000 and in annual reports submitted to NMED as stipulated by ATTACHMENT 3 of the Consent Decree entered March 3, 2000.

3.3 Topographic Map Delineations [40 CFR 270.14(c)(3)]

Since this information is related to corrective action which is addressed in the March 3, 2000 Consent Decree, Sparton requests a waiver of this requirement.

3.4 Description of Plume of Contamination [40 CFR 270.14(c)(4)]

The Description of Plume of Contamination information is contained in ATTACHMENT A of the Consent Decree entered March 3, 2000 and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.5 Groundwater Monitoring Program [40 CFR 270.14(c)(5)]

The Groundwater Monitoring Program is governed by the Consent Decree entered March 3, 2000. Information concerning this program is contained in ATTACHMENT A of the Consent Decree and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.6 Detection Monitoring Program [40 CFR 270.14(c)(6)]

The Detection Monitoring Program is governed by the Consent Decree entered March 3, 2000. Information concerning this program is contained in ATTACHMENT A of the Consent Decree and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.7 Compliance Monitoring Program and Corrective Action Program [40 CFR 270.14(c)(7)]

The Compliance Monitoring Program and Corrective Action Program are governed by the Consent Decree entered March 3, 2000. Information concerning these programs is contained in ATTACHMENT A, C, E, F, and G of the Consent Decree and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.8 Corrective Action Program [40 CFR 270.14(c)(8)]

The Corrective Action Program is governed by the Consent Decree entered March 3, 2000. Information concerning this program is contained in ATTACHMENT A, B, C, E, F, and G of the Consent Decree and in annual reports submitted to NMED as stipulated by ATTACHMENT D of the Consent Decree entered March 3, 2000.

3.9 Additional Commitments

3.9.1 Semi-annual Reporting [40 CFR 264.100(g)]

Semi-annual groundwater monitoring data are required under ATTACHMENT A of the Consent Decree entered March 3, 2000, and an annual analysis report is required under the work plans in the consent decree.

3.9.2 Facility Contact [40 CFR 264.118(b)(3)]

During the post-closure care period, the contact for the facility will be as follows:

Mr. Charles Stranko, Vice President and General Manager
4901 Rockaway Blvd. SE
Rio Rancho, New Mexico 87124-4469
(505) 892-5300

3.9.3 Certification of Completion of Post-Closure Care (40 CFR 264.120)
Upon completion of post-closure care requirements, a certification of completion of post-closure care will be submitted in accordance with 40 CFR 264.120.

3.9.4 Storage of Facilities Copy of Post-Closure Care Plan (40 CFR 264.144)
During the post-closure care period, storage and updating of the facility's copy of the Post-Closure Care Plan will be the responsibility of:

Mr. Charles Stranko
4901 Rockaway Blvd.
Rio Rancho, NM 87124
(505) 892-5300

3.9.5 Maintenance of Application Records [40 CFR 270.10(l)]
Post-Closure Care Permit Application records will be kept by Sparton for at least three years.

3.9.6 Compliance With Other Applicable Federal Laws [40 CFR 270.3]
Sparton's technical consultant has reviewed the Wild and Scenic Rivers Act, National Historic Preservation Act, Endangered Species Act, and Fish and Wildlife Coordination Act and believes that these acts do not apply under existing conditions.

4.0 SOLID WASTE MANAGEMENT UNIT CLOSURE [40 CFR 270.14(d)]

Sparton operated an electronics manufacturing plant at the Coors Road location from

sometime after 1961 through at least 1999 (HLA, December 29, 1982 and May 7, 1985). By-products of those activities were spent solvents and plating waste. It appears that prior to the effective date of the Federal Resource Conservation and Recovery Act (RCRA), spent solvents were stored in a 5 ft x 5 ft concrete sump approximately two feet deep made of concrete blocks, awaiting off site shipment (HLA, December 17, 1985 and December 19, 1985). It is unclear exactly when this sump was constructed or how spent solvent was handled before construction of the sump. Use of the sump for storage of spent solvents ceased in October of 1980, shortly before RCRA became effective. After October of 1980, spent solvent was placed in drums that were accumulated in the "old drum area". After May of 1981 the spent solvent was placed in drums and accumulated in a "new drum area" (HLA, December 19, 1985; Martinez, January 16, 1981).

The plating waste was put into a surface impoundment for accumulation and then shipped offsite for disposal. It is unclear exactly when this practice began. Available records suggest the now closed surface impoundment was initially constructed in 1975 and expanded in 1977 (HDR, May 1, 1992). There are unconfirmed reports that before the closed surface impoundment was built, an earlier pond existed in the area that is capped. The now closed surface impoundment received waste until August of 1983, when it was taken out of service (HLA, May 7, 1985 and December 17, 1985). After that date, platting waste was drummed and accumulated on site for less than 90 days.

In December of 1985, Sparton submitted a plan to formally close, under RCRA, the surface impoundment, unused since August 1983, and two drum areas (HLA, December 19, 1985). The "closure in place" of the surface impoundment was certified on December 18, 1986 (Mico, December 18, 1986). The new drum area was certified clean closed on October 15, 1986. The old drum area was certified clean closed on December 31, 2001.

5.0 REFERENCES

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Mico, Richard D. December 18, 1986. Letter to Peter Pache, State of New Mexico Environmental Improvement Division, Hazardous Waste Section, Santa Fe, New Mexico.

Mico, Richard D. February 18, 1987. Letter to Jack Elvinger, State of New Mexico Environmental Improvement Division, Hazardous Waste Section, Santa Fe, New Mexico.

New Mexico Environmental Improvement. September 23, 1994. Environmental Protection Title 20, Hazardous Waste Chapter 4, Part 1, Hazardous Waste Management Regulations (EIB/HWMR-7).

U.S. Department of Agriculture, Soil Conservation Service. June 1977. Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico.

U.S. Department of Commerce, Weather Bureau. 1958. Wind Summary and Annual Wind Rose, 1949-1958.

ATTACHMENT 1

PART A APPLICATION

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

For EPA Regional Use Only

Date Received
Month Day Year

EPA
United States Environmental Protection Agency
Washington, DC 20460

Hazardous Waste Permit Application Part A

(Read the instructions before starting)

I. Facility's EPA ID Number *(Mark "X" in the appropriate box)*

[ ] A. First Part A Submission

[X] B. Revised Part A Submission (Amendment # 3)

C. Facility's EPA ID Number: NMD083212332

D. Secondary ID Number *(If applicable)*:

II. Name of Facility

SPARTON TECHNOLOGY, INC.

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street: 9621 COORS ROAD NW

Street *(Continued)*:

City or Town: ALBUQUERQUE

State: NM

Zip Code: 87114 –

County Code (If known):

County Name: BERNALILLO

B. Land Type (Enter code): P

C. Geographic Location — LATITUDE (Degrees, minutes & seconds): 35 11 05 — LONGITUDE (Degrees, minutes & seconds): 106 39 38

D. Facility Existence Date — Month Day Year: 1961

IV. Facility Mailing Address

Street or P.O. Box: 4901 ROCKAWAY BLVD SE

City or Town: RIO RANCHO

State: NM

Zip Code: 87124 – 4469

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(Last)*: STRANKO

(First): CHARLES

Job Title: GENERAL MANAGER

Phone Number *(Area Code and Number)*: 505 – 892 – 5300

VI. Facility Contact Address *(See instructions)*

A. Contact Address: [ ] Location [X] Mailing [ ] Other

B. Street or P.O. Box: 4901 ROCKAWAY BLVD SE

City or Town: RIO RANCHO

State: NM

Zip Code: 87124 – 4469

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

GSA No. 0248-EPA-01

EPA ID Number (Enter from page 1)	Secondary ID Number (Enter from page 1)
NMD083212332	

VII. Operator Information (See instructions)

A. Name of Operator			
SPARTON TECHNOLOGY INC.			
Street or P.O. Box			
4901 ROCKAWAY BLVD. SE			
City or Town	State	ZIP Code	
RIO RANCHO	NM	87124 — 4469	
Phone Number (Area Code and Number)	B. Operator Type	C. Change of Operator Indicator	Date Changed (Month Day Year)
505 — 892 — 5300	P	Yes ☐ No X	

VIII. Facility Owner (See instructions)

A. Name of Facility's Legal Owner			
SPARTON CORPORATION			
Street or P.O. Box			
2400 EAST GANSON STREET			
City or Town	State	ZIP Code	
JACKSON	MI	49202 —	
Phone Number (Area Code and Number)	B. Owner Type	C. Change of Owner Indicator	Date Changed (Month Day Year)
800 — 248 — 9579	P	Yes ☐ No X	

IX. NAICS Codes (In order of significance; start in left box)

First	Third
(Description) see Section XIX	(Description)
Second	Fourth
(Description)	(Description)

X. Other Environmental Permits (See instructions)

A. Permit Type (Enter code)	B. Permit Number	C. Description
N	NMR00A453	NPDES Storm Water Permit
E	1203	City of Albuquerque Authority-
		to-Construct Source Containment
		System*
E	00442	City of Albuquerque Air Quality
		Source Registration Off-Site
		Containment System*
E	DP-1184	State of New Mexico Discharge
		Plan Approval*

*These permits were obtained in connection with the Consent Decree entered 3/3/00.

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Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*: N M D 0 8 3 2 1 2 3 3 2

Secondary ID Number *(Enter from page 1)*:

XI. Nature of Business *(Provide a brief description)*

When the surface impoundment was in operation, the facility was a printed circuit electronic assembly manufacturing facility (NAICS-334418). Currently corrective action is being performed under a Consent Decree dated March 3, 2000.

XII. Process Codes and Design Capacities

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item XIII.

B. PROCESS DESIGN CAPACITY - For each code entered in column A, enter the capacity of the process.
1. AMOUNT - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action), enter the total amount of waste for that process.
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure Listed Below
	Storage:	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Hour; Liters Per Hour; or Million Btu Per Hour
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Million Btu Per Hour	X
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	G
Hectare-meter	F
Btu Per Hour	I

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Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
N M D O 8 3 2 1 2 3 3 2	

XII. Process Codes and Design Capabilities *(Continued)*

EXAMPLE FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	For Official Use Only
X	1	S	0	2	5 3 3 . 7 8 8	G	0 0 1	
	1				NA .			
	2				.			
	3				.			
	4				.			
	5				.			
	6				.			
	7				.			
	8				.			
	9				.			
1	0				.			
1	1				.			
1	2				.			
1	3				.			

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes *(Follow instructions from item XII for D99, S99, T04 and X99 process codes)*

Line Number (Enter #s in seq w/XII)		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	D. Description Of Process
X	1	T	0	4	NA .			In-situ Vitrification
	1				.			
	2				.			
	3				.			
	4				.			

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*: N M D 0 8 3 2 1 2 3 3 2

Secondary ID Number *(Enter from page 1)*:

XIV. Description of Hazardous Wastes

A. **EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	*CODE*	*METRIC UNIT OF MEASURE*	*CODE*
POUNDS	*P*	*KILOGRAMS*	*K*
TONS	*T*	*METRIC TONS*	*M*

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. **PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/ or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item XIV-D(1).
3. *Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item XIV-E.*

2. **PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		A. EPA HAZARD WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS (1) PROCESS CODES (Enter)									D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
	1	K	0	5	4	900	p	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
X	4	D	0	0	2												Included With Above

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Form Approved, OMB No. 2050-0039 Expires 10/31/02
GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*: N M D 0 8 3 2 1 2 3 3 2

Secondary ID Number *(Enter from page 1)*:

XIV. Description of Hazardous Wastes *(Continued; use additional sheets as necessary)*

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1		NA			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
N M D 0 8 3 2 1 2 3 3 2	

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (See instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

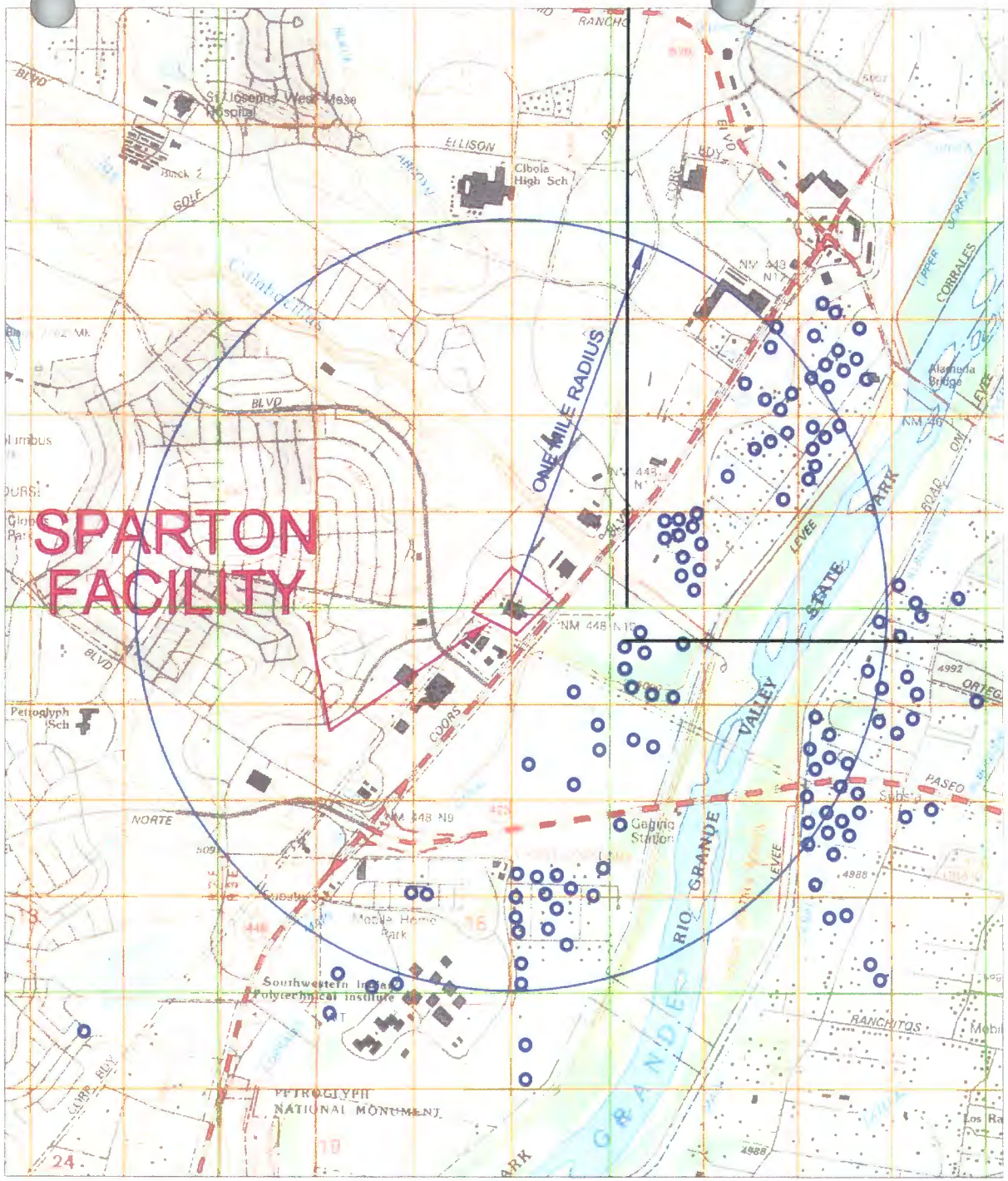
Owner Signature	Date Signed Feb 15 02
Name and Official Title (Type or print) Charles Stranko, Vice Pres. & General Manager	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	

XIX. Comments

Section IX - It is unclear what code to enter. The current activity at the facility is a car dealership (NAICS 441110) The immediate preceeding activity was a machine shop (NAICS 332710) When the surface impoundment was in operation the facility was a printed circuit electronic assembly manufacturing facility (NAICS 334418)

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

TO VIEW THE MAP AND/OR MAPS WITH THIS DOCUMENT, PLEASE CALL THE HAZARDOUS WASTE BUREAU AT 505-476-6000 TO MAKE AN APPOINTMENT



SCALE IN FEET

WELLS FROM STATE ENGINEERS RECORDS

CORPORATION

WATER WELL LOCATION MAP

SPARTON FACILITY

Albuquerque, New Mexico

Aug., 2001

MAP 4

ATTACHMENT 2

TOPOGRAPHIC MAPS 1, 2, 3 AND 4

ATTACHMENT 3

POND WASTE ANALYSIS

Albuquerque Analytical, Inc.
4115 SILVER AVE S E.
ALBUQUERQUE NEW MEXICO 87108
Telephones: (505) 266-9106, (505) 268 5776 — Night 294-6310

manifest # 80-1

ANALYTICAL REPORT

From Sparton Southwest

Address 9621 Coors Rd. N.W. Albuquerque, NM 87103

Work authorized by Reece Lebow Date Received September 4, 1980

Analyzed by J.M. Grover, M.S. Date September 15, 1980 AAI# 12596

SAMPLE ID	Over Flow Pond	Main Pond
Copper (ppm)	9687.5	295.5
Ti[illegible] (ppm)	58.0	97.5
Palladium (ppm)	< 0.05	< 0.05
Lead (ppm)	13.7	6.52
pH	1.80	1.79

See cover letter

WASTE MANAGEMENT, INC. COMPANIES.

PHX

WASTE PROFILE SHEET CODE

GENERATOR'S WASTE MATERIAL PROFILE SHEET

GENERAL DIRECTIONS: In order for us to determine whether we can lawfully, safely and environmentally transport, store, treat or dispose of your waste stream, we must ask certain information about your waste. All of the information we seek is necessary, for our purposes and yours. Be complete in your answers: if your response is "none," so indicate. Answers must be in ink or typewritten. Information you provide will be maintained in strictest confidence. Please make a copy of this form for your records, returning the original to the location indicated below.

THIS FORM AND ANY SUPPLEMENTAL INFORMATION SHOULD BE RETURNED TO:

1. GENERATOR NAME: Sparton Southwest Inc.
2. GENERATING FACILITY NAME/ADDRESS/USEPA FACILITY I.D. NUMBER (IF ANY): Sparton Southwest Inc. 9621 Coors Rd. N.W., Albuquerque, New Mexico 87105 EPA No. NMD083212332
3. COMPANY CONTACTS:

GENERAL		TITLE		PHONE	
		TITLE		PHONE	
TECHNICAL	Cleoves Martinez	TITLE	Envr. Engineer	PHONE	(505)898-1150
		TITLE		PHONE	

4. WASTE NAME:
PROCESS GENERATING WASTE: Printed circuit board manufacturing
5. WASTE CHARACTERISTICS:
   A. PHASES/LAYERS: BILAYERED ☐ MULTILAYERED ☐ NONE ☒
   B. PHYSICAL STATE AT 70°F: SOLID ☐ SEMI-SOLID ☐ LIQUID ☒ POWDER ☐ OTHER:
   C. SOLIDS: TOTAL (%): 8.88% TOTAL DISSOLVED (ppm or %): 8.54%
   D. SPECIFIC WEIGHT (AS # PER UNIT): 8.829 #/gallon
   E. pH 8.48 (Show the following as range of %)

AS:	H_2SO_4	n/a %	H_3PO_4	- %
	HCl	- %	NaOH	- %
	HF	- %	NH_4OH	- %
	HNO_3	- %	$Ca(OH)_2$	- %
OTHER		- %		- %
		- %		- %

   F. FLASH POINT greater than 212 °F (CLOSED CUP TEST ONLY)
   G. VAPOR PRESSURE (in mm of Hg at 25°C) app. 23.8
   H. BTU PER #: n/a ASH CONTENT 7.27 %
   I. CHARACTERISTIC COLOR blue/gray DISTINCTIVE ODOR none
   HALOGENATED? no % SULFONATED? no %
   K. ALPHA RADIATION AS pCi/l N/A

FORM WMI-SO-A (Rev 11-5-80)
© 1980 WASTE MANAGEMENT INC

A. ORGANIC COMPONENTS (WITH RANGES — INDICATE WHETHER % OR ppm)

n/a	—		—
	—		—
	—		—
	—		—

(ATTACH ADDITIONAL PAGES IF NECESSARY)

DOES THIS WASTE CONTAIN ENDRIN, LINDANE, METHOXYCHLOR, TOXAPHENE, 2,4-D, 2,4,5-TP SILVEX, OR ANY OTHER ORGANIC COMPOUNDS LISTED BY USEPA AT 40 CFR 261.24? No IF SO, PLEASE NOTE ABOVE.

B. HEAVY METALS (WITH ppm RANGES):

	TOTAL	TOTAL LEACHABLE		TOTAL	TOTAL LEACHABLE
Ag	25.1		Hg	less than 0.001	
As	less than 0.01		Ni	10.6	
Ba	less than 1.		Pb	7.04	
Cd	0.18		Se	0.28	
Cr	less than 0.05		Zn	6.21	
Cu	1730.		Other (ATTACH ADDITIONAL PAGES)		

(IF YOU HAVE DETERMINED TOTAL LEACHABLES USING USEPA'S "EP TOXICITY TEST PROCEDURE" — AT 40 CFR, PART 261, APPENDIX II — SO INDICATE BY MARKING "EP" AFTER THE RESULT SHOWN ABOVE.)

C. INORGANIC COMPONENTS (WITH % RANGES): OTHER

TOTAL CYANIDE	less than 0.05	ppm		—	%
FREE CYANIDE	less than 0.05	ppm		—	%
SULFIDE AS:	less than 0.05	ppm		—	%
BISULFITE AS:	less than 1.0	ppm		—	%
SULFITE AS:	less than 1.0	ppm		—	%

(ATTACH ADDITIONAL PAGES IF NECESSARY)

D. DOES THIS WASTE STREAM CONTAIN BIOLOGIC MATERIALS, PATHOGENS, OR ETIOLOGICAL AGENTS? No IF SO, ATTACH ADDITIONAL PAGES DESCRIBING SUCH MATERIALS.

E. IS THE WASTE A PESTICIDE OR PRODUCED BY A PESTICIDE MANUFACTURING PROCESS? No
IF SO, INDICATE WHETHER IT CONTAINS:

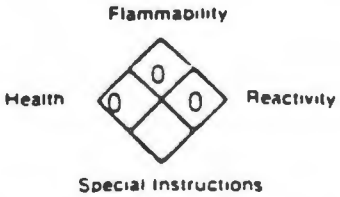
- ☐ ORGANOPHOSPHATES — CONTAINING SULFUR ☐ YES ☐ NO
- ☐ CARBAMATES
- ☐ CHLORINATED HYDROCARBONS

8. HAZARDOUS COMPONENTS AND CHARACTERISTICS

A. HAZARDOUS PROPERTIES (INSERT NUMBER CODES PER INSTRUCTIONS ON LAST PAGE)

(1) TOXICITY RATING. INHALATION 0 DERMAL 1 ORAL 2

(2) HAZARD IDENTIFICATION SYSTEM



B. LIST ANY OTHER ACUTE OR CHRONIC HAZARDS ASSOCIATED WITH OR ALLEGED TO BE ASSOCIATED WITH HUMAN CONTACT WITH OR EXPOSURE TO THE WASTE:

Heavy metal poisoning might be anticipated with ingestion of substantial amounts.

A. IS THIS WASTE A "HAZARDOUS MATERIAL" AS DEFINED BY REGULATIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION PURSUANT TO THE HAZARDOUS MATERIALS TRANSPORTATION ACT? Yes (SEE 49 CFR 172.101 AND 173 FOR "HAZARDOUS MATERIALS" LIST AND CHARACTERISTICS.) IF SO, PLEASE ADVISE OF THE FOLLOWING:

(1) CORRECT SHIPPING DESCRIPTION: Hazardous Waste Liquid N.O.S.

(2) HAZARD CLASS(ES): ORM-E

(3) MATERIAL I.D. NO.(S) NA9189

B. DOES THIS WASTE CONTAIN ANY "HAZARDOUS SUBSTANCE" AS DEFINED BY REGULATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT? No (SEE 40 CFR 117 FOR "HAZARDOUS SUBSTANCES" AND CATEGORIES.) IF SO, PLEASE ADVISE OF THE FOLLOWING:

(1) THE NAMES OF EACH HAZARDOUS SUBSTANCE PRESENT IN THE WASTE, THE HAZARD CATEGORY (X, A, B, C OR D) AND THE APPROXIMATE CONCENTRATION OF THE SUBSTANCE BY WEIGHT IN THE WASTE:

n/a

(ATTACH ADDITIONAL PAGES IF NECESSARY)

C. IS THIS WASTE A "HAZARDOUS WASTE" AS DEFINED BY REGULATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY PURSUANT TO SECTION 3001 OF THE RESOURCE CONSERVATION AND RECOVERY ACT? Yes (SEE 40 CFR, PART 261 FOR WHAT IS A "HAZARDOUS WASTE.") IF SO, STATE:

(1) THE USEPA HAZARDOUS WASTE NUMBER(S): F006, F007

(2) DO YOU CLAIM TO BE A SMALL QUANTITY GENERATOR? No (SEE 40 CFR 261.5.)

D. IS THIS WASTE A "HAZARDOUS WASTE" AS DEFINED BY THE ENVIRONMENTAL REGULATORY AGENCY IN YOUR STATE? Yes IF SO, STATE WHY IT IS SO DEFINED AND ANY STATE HAZARDOUS WASTE CODE NUMBERS ASSIGNED: Toxicity

THE INFORMATION PROVIDED IN SECTIONS 6-9 BASED UPON LABORATORY ANALYSIS OF THE WASTE TERIAL? Yes IF SO, PLEASE ADVISE OF THE DATE OF THE MOST RECENT ANALYSIS: _____

11. HAVE YOU OBTAINED TOXICITY STUDIES OF THIS WASTE STREAM? No IF SO, PLEASE ATTACH A COPY OF THE RESULTS.

12. QUANTITY/SHIPPING REQUIREMENTS:

ANTICIPATED VOLUME IS. 5000

GALLONS ☒ TONS ☐ CUBIC YARDS ☐ DRUMS ☐ OTHER ☐ _____

PER: DAY ☐ WEEK ☐ MONTH ☒ YEAR ☐ ONE TIME ☐

TRANSPORTATION EQUIPMENT REQUIRED: Vacuum tanker

SERVICE/SCHEDULING REQUIREMENTS: Contact Cleoves Martinez for scheduling

GENERATOR'S AUTHORIZED SIGNATORY [signature] TITLE Prod Mgr DATE 12/1/91

CONFIDENTIALITY AGREEMENT. _____ as consideration for the Generator's release of the above information, and any other supplemental data provided, agrees to treat such information as confidential property and will not disclose such information to others except as is required by law, and in such circumstances only after first giving notice to the Generator.

By: _____
Name

_____
Title

ATTACHMENT 4

POST-CLOSURE SEMI-ANNUAL INSPECTION CHECKLIST

Post-Closure Semi-Annual Inspection Checklist

Facility: Sparton Technology, Inc.
9621 Coors Road NW
Albuquerque, New Mexico 87114

Date of Inspection: _____ Type: Maintenance Wells Subsidence Security

Name of Inspector: _____ Name of Surveyor: _____

Item	Description	Problem (Y/N)	Remarks	Action Taken	Date
Maintenance:	Wearing surface				
	Gouges				
	Deterioration				
	Subsidence				
General:	Ponding on cap				
	Rainfall run-on				
Subsidence:	Benchmark survey				
Monitor Wells: MW-16 & MW-25	Surface leakage to wells				
	Rusting or broken well covers				
	Integrity of locks				
Security:	Integrity of fences and gates				
	Integrity of locks				
	Integrity and status of signs				
	Evidence of vandalism				
	Integrity of benchmarks				

Inspector's Signature: _____ Date: _____

Owner/Operator's Signature: _____ Date: _____

ATTACHMENT 5

POST-CLOSURE CARE PLAN, COORS ROAD PLANT

SPARTON POST CLOSURE PLAN

A. Post Closure Period Contact

Charles Stranko, Vice President and General Manager
Sparton Technology, Inc.
4901 Rockaway Blvd.
Rio Rancho, New Mexico 87124
(505) 892-5300

B. Security

The facility is bounded by a car dealership on one side and an 8 foot high chain link fence on the other three sides. Access to the area is by a locking personnel gate in the fence on the southwest side and vehicular gate on the southeast side. Signs are posted at all gates reading "Closed, Hazardous Waste Management Area, Unauthorized Personnel Keep Out", in English and Spanish. The signs have black letters on a yellow background, and are visible from at least 25 feet in all approaching directions. Security inspections of the fences, gates, locks and signs will take place on a quarterly basis to assure equipment integrity and to look for evidence of vandalism and/or tampering. Should any security problem be found during inspection, or by notification to the facility security office, appropriate personnel will be immediately informed and repairs and/or replacement will commence as soon as possible and be completed prior to the next quarterly inspection. A security checklist component is included in the overall post-closure care inspection checklist provided in ATTACHMENT 4.

C. Inspection Plan

In addition to the security inspection, a general inspection of the condition of the facility will be made on a semi-annual basis. To facilitate this inspection, vehicular access to the area will be restricted for a length of time sufficient to complete a thorough inspection. This inspection will include the drainage swale on the north and west sides of the area to assure it is clear of debris and that the sides are physically intact. A visual inspection of the entire 3 inch thick asphalt wearing surface will also be performed. The location of any gouges, cracks,

surface movement, and/or pavement deterioration (chemical or natural) will be noted. Any such breaches of the wearing surface will be repaired immediately. Undisturbed wearing surface material, for a distance of 6 inches in all directions around the breach will be removed and this area resurfaced as specified for the initial closing in the Closure Plan. If, at any time between inspections, any sort of breach of the wearing surface is reported, there will be an immediate inspection to determine if repair is necessary.

D. Facility Monitoring Plan

Facility monitoring will concentrate on the possibility for subsidence of the cap area. Six survey benchmarks are placed in the wearing surface. These benchmarks are tied in horizontally and vertically to the plant grid. At least semi-annually, or after notice of suspected subsidence has been given, a registered surveyor will verify the elevations of these benchmarks. Access to the cap by vehicles will be totally restricted while the survey is taking place.

Prior to the survey, water will be introduced, preferably from a fire hose, on the up-slope sides of the cap and allowed to run down-slope. This will confirm that the grade is sufficient to allow drainage and may indicate areas of pavement subsidence, by the ponding of water, on what is supposed to be a slope. Any suspected areas of subsidence will be surveyed to determine the extent of the problem. If subsidence is indicated on the cap, the NMED will be notified immediately, and a determination will be made as to the cause of the subsidence and subsequent plan of action.

E. Maintenance Plan

The maintenance plan will take effect if and when inspection of the area covered by post-closure indicates the need. Maintenance may include the drainage swale southwest of the cap, the chain link fence, gates, locks, signs, the asphalt wearing surface of the cap and the groundwater monitoring wells. The drainage swale will be kept clear of debris and its structural integrity assured. All security

devices will be maintained to a level which assures their integrity, visibility and proper working order. The asphalt wearing surface will be maintained to a thickness of 3 inches, and any repair or repaving will be in accordance to the specifications in the Closure Plan.

All maintenance activities will be carried out by personnel familiar with the tasks at hand. Any repair and/or replacement of the wearing surface pavement will be contracted to professional in that field.

ATTACHMENT 6

NOTICE OF RESTRICTION IN PROPERTY DEED

DRAFT

NOTICE OF RESTRICTION

This Notice relates to a portion of the property described in that certain plat recorded of even date herewith, with the Clerk of Bernalillo County, in Book 479-A; Page 445-454.

This property contains an area, described in Exhibit A attached hereto, that was used to manage hazardous wastes, and the use of which is restricted under the New Mexico Hazardous Waste Regulations, 206 C.2.g(3). This area has been covered with an asphaltic concrete cap. According to the above-cited regulatory restriction; Post-closure use of this area must never be allowed to disturb the integrity of the final cover, or the function of the facility's monitoring systems, unless the owner or operator can demonstrate to the Director, as appropriate, that the disturbance: (a) is necessary to the proposed use of the property and will not increase the potential hazard to human health or the environment; or (b) is necessary to reduce a threat to human health or the environment.

SPARTON TECHNOLOGY, INC.

_____

Charles Stranko
Vice President and General Manager

STATE OF NEW MEXICO §
§ SS:
COUNTY OF BERNALILLO §

The foregoing instrument was acknowledged before me this _____ day of April, 1987, by Charles Stranko, Vice President and General Manager of Sparton Technology, Inc., a New Mexico corporation, on behalf of said corporation.

_____

Notary Public

My Commission Expires:

_____

040310 000001 Dallas 1396810.1

ATTACHMENT 7

LETTERS OF TRANSMITTAL AND APPROVAL FOR RFI AND LETTERS OF TRANSMITTAL FOR CORRECTIVE MEASURES STUDY REPORT

SPARTON

SPARTON TECHNOLOGY

May 14, 1992

Mr. Keith N.Phillips, Chief
Technical Section (6H-CX)
RCRA Enforcement Branch
U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Re: Final RFI Report
Sparton Technology, Inc.
Coors Road Facility
Albuquerque, New Mexico

Dear Mr. Phillips:

In accordance with the provisions of the Consent Order, as amended, enclosed are six copies of the revised text and six copies of revised figures for the Final RFI report. Revisions and/or additions to the draft Final RFI report, dated December 1, 1991, are indicated by the revised date, May 1, 1992, at the bottom of each page. These revisions are in general conformance to EPA comments dated April 17, 1992. Our consultants have prepared an accompanying set of instructions for revising the RFI report into final form.

We trust that the Final RFI report submitted here will meet the approval of EPA. If you have any questions, please call.

Sincerely,

SPARTON TECHNOLOGY, INC.

Richard D. Mico
Vice President and General Manager

cc: Mr. Jan Appel
Mr. Jon DeWitt
Mr. Pierce Chandler
Mr. Gary Richardson
Mr. Benito Garcia

Enc.

Sparton Technology, Inc. □ 4901 Rockaway Blvd., SE □ Rio Rancho, NM 87124 □ ~~P.O. Box 1784 □ Albuquerque, NM 87103~~ □ (505) 892-5300 □ FAX (505) 892-5515

SPARTON

SPARTON TECHNOLOGY

November 5, 1992

Environmental Protection Agency
Region VI
1445 Ross Ave.
Dallas, TX 75202

Attention: Mr. Keith Phillips

Dear Mr. Phillips:

Sparton Technology, Inc. is pleased to submit our "Draft Corrective Measures Study Report" for our Coors Road facility in Albuquerque, New Mexico.

We are available to review it with you at your convenience. Please call Mr. Jan Appel at (517) 787-8600 or myself at (505) 892-5300. Mr. Pierce Chandler at (214) 960-4000 is available to answer technical questions.

Sincerely,

SPARTON TECHNOLOGY, INC.

Richard D. Mico
Vice President and General Manager

Enc.

cc: Mr. J. Appel
Mr. P. Chandler

Sparton Technology, Inc. □ 4901 Rockaway Blvd., SE □ Rio Rancho, NM 87124-4469 □ (505) 892-5300 □ FAX (505) 892-5515

ATTACHMENT 8

SECURITIES AND EXCHANGE COMMISSION FORM 10K FOR FISCAL YEAR ENDING JUNE 30, 2000

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington D.C. 20549
FORM 10-K

[X] ANNUAL REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934 (Fee Required)

For the fiscal year ended June 30, 1999

OR

[ ] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934 (No Fee Required)

For the transition period from _____ to _____

Commission File Number 1-1000

SPARTON CORPORATION
(Exact name of registrant as specified in its charter)

OHIO	38-1054690
(State of Incorporation)	(IRS Employer Identification No.)

2400 East Ganson Street, Jackson, Michigan	49202
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code: (517) 787-8600

(Title of each class)	(Name of each exchange on which registered)
COMMON STOCK, $1.25 PAR VALUE	NEW YORK STOCK EXCHANGE

Securities registered pursuant to Section 12(g) of the Act: NONE

Indicate by checkmark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes X No __

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in Part III of this Form 10-K or any amendment to this Form 10-K. [ ]

The aggregate market value of voting stock held by non-affiliates of the registrant as of August 31, 1999 was $29,396,000.

The number of shares of common stock outstanding as of August 31, 1999 were 7,828,090.

Documents incorporated in part by reference:

Parts II and IV - Portions of the 1999 Annual Report to Shareowners' of Sparton Corporation ("Annual Report") are filed as Exhibit 13 herewith.
Part III - Proxy Statement for October 27, 1999 Meeting

PART I

Item I. Business

Except as otherwise indicated, the term "Company" refers to Sparton Corporation, and the term "Sparton" refers to Sparton Corporation and its consolidated subsidiaries.

The Company has been in continuous existence since 1900. It was last reorganized in 1919 as an Ohio corporation. Sparton operates in one line of business, electronics manufacturing services (EMS). A description of the major products and various information on sales of the Company's continuing operations, electronics, are included in the Annual Report in Note 1, Statement of Significant Accounting Policies, and in Note 12, Business Segment and Concentration of Sales, of the Notes to Consolidated Financial Statements on Pages 23 and 31, respectively, and are filed as part of Exhibit 13.

In August 1996, the Company formalized its plan to offer for sale its automotive and industrial products operations. Accordingly, these operating results have been reported as discontinued operations. Further discussion of these transactions are included in the Annual Report in Note 9, Discontinued Operations, of the Notes to the Consolidated Financial Statements on page 27 and are filed as part of Exhibit 13.

Electronic Manufacturing Services

Historically, the Company's principal electronics product has been sonobuoys, which are anti-submarine warfare (ASW) devices used by the U.S. Navy and other free world military organizations. It competes with a very limited number of qualified manufacturers for sonobuoy procurements by the U.S. and selected foreign governments. Contracts are obtained through competitive bid or directed procurement. Sales of sonobuoys have declined substantially from the levels of the 1980's and early 1990's, but have stabilized in recent years at these levels.

The Company has focused its resources in recent years on substantially expanding revenues in the commercial EMS area. This is the area where the Company expects substantially all future revenue growth to occur. Many of the physical and technical attributes used in the production of sonobuoys are also required in the production of commercial electronics products. The Company's commercial EMS business includes design and/or manufacture of a variety of electronic and electromechanical products and assemblies. Sales are generally obtained on a competitive basis. Competitive factors include technical ability, customer service, product quality, timely delivery and price. A majority of the proprietary products, principally transducers and condition monitoring systems, are sold to the telecommunications industry worldwide. Commercial electronics products are sold through a direct sales force and through a small group of manufacturers' representatives. The primary industries of the Company's commercial EMS market include telecommunication, avionics, medical and industrial controls and scientific instrumentation. In the commercial EMS business, Sparton must compete with a number of domestic and foreign manufacturers, some of which are much larger in terms of size and in financial resources. The Company generally contracts with its customers to manufacture products based on the customer's design, specifications and shipping schedules. Normally, EMS programs do not require the Company's direct involvement in product marketing.

Material cost and availability and product quality, delivery and reliability are very important factors in the commercial EMS business. In general, margins within the EMS markets are lower than those obtained in the Company's governmental EMS markets of ASW or proprietary electronics. The lower margins are primarily due to intense competition and the higher number of purchased parts contained in the products shipped.

At June 30, 1999 and June 30, 1998, the government backlog was approximately $70 million and $66 million, respectively. A majority of the 1999 backlog is expected to be realized in 2000. Commercial EMS sales are not included in the backlog. The Company does not believe the amount of backlog of commercial sales covered by firm purchase orders is a meaningful measure of future sales, as such orders may be rescheduled or cancelled without significant penalty.

Automotive and Industrial Products

As previously discussed, the Company formalized its plan in August 1996 to dispose of the automotive and industrial products segment and accordingly, these operations have been reported as discontinued operations.

Other Information

Sparton's largest customer is the U.S. Navy. While the loss of government sales would have a material adverse financial effect, the loss of any one of several other customers could also have a significant but less dramatic financial impact. The Company continues to grow its commercial EMS sales with the intent to expand the customer base, thus reducing this concentration. Materials for the electronics operations are obtained from a variety of worldwide sources, except for selected components. Access to competitively priced materials is critical to success in the EMS business. In certain markets, the volume purchasing power of the larger competitors creates a substantial cost advantage for them. The Company has not encountered and does not expect to encounter significant long-term problems in obtaining sufficient raw materials although the commercial electronics industry has experienced occasional spot shortages or delivery delays of key components. The risk of material obsolescence in the EMS business is less than it is in many other markets because raw materials and component parts are generally only purchased upon receipt of a customer's order. While Sparton holds a number of patents relating to its products and processes, none are considered of material importance. While overall sales fluctuate during the year, such fluctuations do not reflect a definitive seasonal pattern or tendency.

Research and development expenditures amounted to approximately $8,779,000 in 1999, $10,512,000 in 1998 and $17,225,000 in 1997 (approximately $6,700,000, $9,462,000 and $16,238,000 of these expenditures, respectively, were customer funded). There are approximately 82 employees involved in research and development activities. Few, if any, devote all of their time to such efforts.

Sparton employed approximately 1,200 people at June 30, 1999. The Company has one operating division and four wholly owned active subsidiaries classified as continuing operations and one wholly owned inactive subsidiary within the remaining portion of discontinued operations.

Item 2. Properties

The table that follows lists the principal properties of Sparton within continuing operations. All are owned. There are manufacturing and/or office facilities at each location. Sparton believes these facilities are suitable for its operations. Several of the facilities have available physical space for additional production equipment as the demand arises. In addition, at least two of the plants are currently underutilized, operating at or below one eight hour shift level. Such underutilization would decline as sales volume increases.

Jackson, Michigan
DeLeon Springs, Florida (2 plants)
Brooksville, Florida
London, Ontario
Rio Rancho, New Mexico
Deming, New Mexico

The Company's Coors Road, Albuquerque, New Mexico facility is idle and is available for sale or lease. Currently, a portion of the facility is leased to another organization.

In November 1996, the Company closed its Lake Odessa, Michigan automotive production facility as part of the plan to exit the automotive business. This property was sold in April 1997 for $475,000 under an installment contract expiring in 2002.

As a condition of the December 1996 sale of approximately 80% of the discontinued automotive operations, the Company purchased, for $675,600, the Grand Haven and White Cloud, Michigan production facilities that were owned by Mr. and Mrs. John J. Smith (Mr. Smith is the Company's CEO and a director) and his brother, Lawson K. Smith (former officer and director of the Company). These facilities were leased to the purchaser of the discontinued automotive operations (the Purchaser) under a five- (5) year term with an aggregate annual rental of $135,000. These leases grant the Purchaser the option of purchasing both (but not less than both) facilities for $50,000 at the end of the original term of the Leases. These leases also offer options to acquire the facilities during the lease term. As part of the December 1996 sale, the Board approved the purchase of this real estate from the Smiths.

Item 3. Legal Proceedings

Various litigation is pending against the Company, in many cases involving ordinary and routine claims incidental to the business of the Company and in others presenting allegations that are nonroutine. The Company and its subsidiaries are also involved in certain compliance issues with the United States Environmental Protection Agency (EPA) and various state agencies, including being named as a potentially responsible party at several sites. Potentially responsible parties (PRPs) can be held jointly and severally liable for the cleanup costs at any specific site. The Company's past experience,

however, has indicated that when it has contributed only relatively small amounts of materials or waste to a specific site relative to other PRPs, its ultimate share of any cleanup costs has been minor. Based upon available information, the Company believes it has contributed only small amounts to those sites in which it is currently viewed a potentially responsible party. Environmental compliance issues involving the discontinued automotive operations are not material.

One of Sparton's facilities, located in New Mexico, has been the subject of ongoing investigations conducted with the Environmental Protection Agency (EPA) under the Resource Conservation and Recovery Act (RCRA). This EPA compliance issue is related to continuing operations, but involves a largely idled facility. The investigation began in the early 1980's and involved a review of on-site and off-site environmental impacts. In 1988, an administrative order on consent (AOC) was executed with the EPA related to further investigation and proposing a means of dealing with quantified impacts.

The remedial investigation called for in the AOC has been completed and approved. In May 1996, Sparton submitted to the EPA a final corrective measure study, based on the results of its investigations, as required in the AOC. In June 1996, the EPA issued its final decision selecting a corrective action at the site, different from what Sparton had proposed. The EPA estimated that the present value cost of its remedies would range from between $15,000,000 and $26,400,000 based on a thirty- (30) year time frame. In Sparton's judgment, the remedies proposed by the EPA are either unnecessary or technically impracticable. Sparton vigorously challenged the EPAs remedy selection and filed suit in Federal District Court in Dallas asserting that the EPAs decision on remedy selection violated the AOC.

In September 1996, the EPA issued an initial administrative order under RCRA ordering Sparton to undertake additional testing to justify the implementation of the remedy selected by the agency in June 1996, and then to implement that remedy. Sparton vigorously contested that order administratively, but on February 10, 1998, the EPA issued a Final Administrative Order that in all material respects followed the initial administrative order issued in September 1996. Sparton has refused to implement those portions of that order that it believes are unjustified.

In February 1997, three lawsuits were filed against Sparton in Federal District Court in Albuquerque, one by the United States on behalf of the EPA, the second by the State of New Mexico and the third by the City of Albuquerque and the County of Bernalillo. All three actions allege that the impacts to soil and groundwater associated with Sparton's Coors Road facility present an imminent and substantial threat to human health or the environment. Through these lawsuits, the plaintiffs seek to compel Sparton to undertake additional testing and to implement the same remedy selected by the EPA in June of 1996, now incorporated in the Final Administrative Order, and referred to in the preceding paragraph. In March 1997, the plaintiffs in these three lawsuits filed a motion for preliminary injunction and in July of 1997, the action in Dallas was transferred to Federal District Court in Albuquerque and consolidated with the three lawsuits filed in February 1997.

A pretrial schedule has been established for the consolidated actions, but no trial date set. Limited discovery, involving interrogatories and requests for production, has been undertaken by the plaintiffs. The plaintiffs have sought to amend their lawsuit to compel Sparton to implement the Final Administrative Order, and seeking civil penalties for alleged noncompli-

ance. Sparton has opposed this request and no decision has been made by the court on the plaintiffs' request to amend.

In March 1998, a hearing was held on the plaintiffs' request for a preliminary injunction. After two days of testimony, the federal district judge indicated he had tentatively concluded he might issue a preliminary injunction. The parties subsequently entered into settlement discussions that culminated in an agreed workplan for the installation of certain off-site monitoring, observation and containment wells, in exchange for plaintiffs withdrawing their request for a preliminary injunction. An order withdrawing that request and approving this off-site workplan was signed on July 7, 1998.

At the current time, all litigation has been stayed to allow the parties to continue settlement discussions. The most recent stay expired on August 9, 1999, but the parties have agreed to extend it to at least September 9, 1999. It is anticipated that implementation of the three workplans discussed below will relieve the Company of its obligations under the February 10, 1998 Final Administrative Order. As a result of these developments, the Company has updated its cost estimates. It is believed the initial cost of the corrective measures called for in these plans will not be materially different from the cost estimates the Company has previously accrued. There is no assurance that additional corrective measures, involving increased expenditures, may not be required.

The proposed workplans provide for the installation of an off-site containment well (already completed and operating), an on-site containment well and an enhancement to an on-site soil vapor extraction system. The purpose of the containment wells is to restrict further migration of impacted groundwater. The soil vapor extraction system removes solvents in the on-site soil above the groundwater. The installation and operation of the two containment wells and the enhanced soil vapor extraction system are dependent upon various permits, licenses and approvals from regulatory agencies and third parties. It is anticipated that these remediation activities will operate for a period of time during which the Company and the regulatory agencies will analyze their effectiveness. The Company believes that it will take at least three to five years before the effectiveness of the groundwater extraction wells can be established. Until then, in the Company's judgment, no definitive conclusion can be reached on whether additional remediation activities may be required.

At June 30, 1999, Sparton has accrued $1,426,000 as its estimate of the future undiscounted minimum obligation with respect to this matter. This reflects the minimum range of the amount Sparton expects to incur over the next four years. The period of accrual was reduced from five to four years to reflect what is now believed will be the initial period for testing the effectiveness of the remediation plan as discussed and described above. Details of the activity beyond this period will be dependent upon the effectiveness of the workplans being currently negotiated and not yet implemented. This amount includes equipment and operating and maintenance costs. In many cases, new technologies become available over time, which result in modified costs for environmental remediation. The Company's estimate of cost is based on the existing methodology and excludes legal and related consulting costs. The estimate includes the minimum range of activity expected to occur in the next four years including on-site and off-site pump and treat containment systems, a soil vapor extraction program and continued on-site/off-site monitoring. Beyond four years, while additional expenditures are probable, Sparton does not believe such expenditures are reasonably estimable based on available information. Factors causing the uncertainty include, but are not limited to, effectiveness of the currently proposed programs to achieve targeted

results and decisions made by regulating agencies regarding future proposals and reports of Sparton. Sparton routinely refines and revises the estimate of its environmental efforts as additional information becomes available.

Uncertainties associated with environmental remediation contingencies are pervasive and often result in wide ranges of reasonably possible estimates. Estimates developed in the early stages of remediation can vary significantly. Normally, a finite estimate of cost does not become fixed and determinable at a specific point in time. Rather, the costs associated with environmental remediation become estimable over a continuum of events and activities that help to frame and define a liability. Amounts charged to operations, principally legal and consulting, for fiscal years 1999 and 1998 were $1,756,000 and $1,821,000, respectively. It is reasonably possible that Sparton's recorded estimate of this liability may change. If a remedy is imposed on Sparton, other than as described in the proposed workplans, the ultimate cleanup costs could increase significantly. There is no assurance that additional costs greater than the amount accrued will not be incurred or that changes in environmental laws or their interpretation will not require that additional amounts be spent.

On June 17, 1998, Sparton Corporation and Sparton Technology, Inc. filed a complaint in the Circuit Court of Cook County, Illinois, against Lumbermens Mutual Casualty Company and American Manufacturers Mutual Insurance Company demanding reimbursement of expenses incurred in connection with its remediation efforts at the Coors Road facility based on various primary and excess comprehensive general liability policies in effect between 1959 and 1975.

On February 11, 1998, Sparton Technology, Inc. commenced litigation in the United States Court of Federal Claims alleging that the Department of Energy (DOE), acting through its contractors, Sandia Corporation and Allied Signal, Inc., is liable for reimbursement of Sparton's costs incurred in defending against and complying with federal and state regulatory requirements. The DOE prescribed certain mandatory performance requirements that were then imposed upon Sparton through its agreements with Sandia Corporation and Allied Signal, Inc. On February 9, 1999, the Court of Federal Claims dismissed Sparton's complaint based on its determination that an agency relationship did not exist between Sandia Corporation and Allied Signal, Inc. and the United States for purposes of reimbursing costs incurred during litigation. Sparton believes that the court erred in its decision and filed its notice of appeal on April 9, 1999. Briefing has begun but is not yet complete.

Sparton Technology, Inc. filed a complaint on September 21, 1998, against Allied Signal, Inc. in U.S. District Court in Kansas City seeking to recover costs incurred to investigate and remediate impacts to the environment at its Coors Road facility. In July 1999, the court allowed the Company to amend its complaint to add Sandia Corporation and the DOE as defendants. Limited discovery has been completed. This case is currently scheduled for trial in the Spring of 2000.

At this time, the Company is unable to predict the amount of recovery, if any, that may result from the pursuit of these beforementioned three claims.

Item 4. Submission of Matters to a Vote of Security Holders

No matters were submitted to a vote of the security holders during the last quarter of the period covered by this report.

OFFICERS OF THE REGISTRANT

Information with respect to executive officers of the Registrant is set forth below. The positions noted have been held for at least five years, except where noted.

	Age
John J. Smith, Chairman of the Board, Chief Executive Officer and Director	87
David W. Hockenbrocht, President, Chief Operating Officer and Director	64
Richard L. Langley, Vice President-Treasurer	54
R. Jan Appel, Vice President, Secretary and General Counsel	53
Richard D. Mico, Vice President and General Manager of Sparton Technology, Inc.	69
Douglas E. Johnson, Vice President and General Manager of Sparton Electronics since July 1995. Prior to that date, Mr. Johnson was the Assistant General Manager of Sparton Electronics.	51
Michael G. Woods, Vice President since August 1999 and General Manager of Sparton of Canada, Ltd. since November 1998. Prior to that date, Mr. Woods held varying positions including Controller and Director of Electronics Manufacturing Services for Sparton of Canada.	40

There are no family relationships between the persons named above. All officers are elected annually and serve at the discretion of the Board of Directors.

PART II

Item 5. Market for the Registrant's Common Equity and Related Stockholder Matters

Information with respect to the market for the Company's stock, including stock prices, stock exchange and number of shareowners, and quarterly dividends for the two-year period ended June 30, 1999, is included under "Financial Highlights" on page 1 of the Annual Report and is included in Exhibit 13 filed herewith.

Item 6. Selected Financial Data

The "Selected Financial Data" on page 32 of Exhibit 13 filed hereunder is incorporated herein by reference.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

"Management's Discussion and Analysis of Financial Condition and Results of Operations" on pages 33 of Exhibit 13 filed hereunder is incorporated herein by reference.

Item 7.(a) Qualitative and Quantitative Disclosures About Market Risk

"Management's Discussion and Analysis of Financial Condition and Results of Operations – Market Risk Exposure" on page 35 of Exhibit 13 filed hereunder is incorporated herein by reference.

Item 8. Financial Statements and Supplementary Data

The consolidated financial statements of Sparton Corporation and Subsidiaries and "Report of Independent Auditors" are included on pages 18 - 31 and 22 , respectfully, in Exhibit 13 filed hereunder and are incorporated herein by reference.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

PART III

Item 10. Directors and Executive Officers of the Registrant

Information with respect to directors is included in the Proxy Statement under "Election of Directors" and is incorporated herein by reference. Information concerning the executive officers is included in Part I on page 4.

Item 11. Executive Compensation

Information concerning executive compensation is included under "Compensation of Executive Officers" in the Proxy Statement and is incorporated herein by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management

Information on management and certain other beneficial ownership of the Company's common stock is included under "Outstanding Stock and Voting Rights" in the Proxy Statement and is incorporated herein by reference.

Item 13. Certain Relationships and Related Transactions

Information as to certain relationships and related transactions is included under "Certain Relationships and Transactions" in the Proxy Statement and is incorporated herein by reference.

PART IV

Item 14. Exhibits, Financial Statement Schedules and Reports on Form 8-K

(a) The following financial statements are filed as part of this report on Form 10-K:

The following Consolidated Financial Statements of Sparton Corporation and Subsidiaries and Report of Independent Auditors, included on Pages 18 - 31 and 22, respectfully, of Exhibit 13 filed hereunder are incorporated by reference in Item 8.

	Page Reference Annual Report to Shareowners
Data from the 1999 Annual Report to Shareowners of Sparton Corporation:	
Consolidated balance sheets at June 30, 1999 and 1998	18
For the years ended June 30, 1999, 1998 and 1997:	
Consolidated statements of operations	20
Consolidated statements of cash flows	21
Consolidated statements of shareowners' equity	22
Notes to consolidated financial statements	23 - 31
Report of Independent Auditors	22

Financial Statement Schedules

All prescribed schedules have been omitted since the required information is not present or is not present in amounts sufficient to require submission of the schedule, or because the information required is included in the consolidated financial statements or the notes thereto.

(b) Reports on Form 8-K

No reports on Form 8-K were required to be filed for the three months ended June 30, 1999.

(c) Exhibits

See Exhibit Index on page 14.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

SPARTON CORPORATION

Date: September 24, 1999

By: /s/ Richard L. Langley
Richard L. Langley, Vice President-Treasurer
(Principal Accounting and Financial Officer)

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

Signature and Title	Date
By /s/ John J. Smith John J. Smith, Chairman of the Board of Directors and Chief Executive Officer	August 27, 1999
By /s/ David W. Hockenbrocht David W. Hockenbrocht, President, Chief Operating Officer and Director	August 27, 1999
By /s/ James N. DeBoer James N. DeBoer, Director	August 27, 1999
By /s/ Robert J. Kirk Robert J. Kirk, Director	August 27, 1999
By /s/ William I. Noecker William I. Noecker, Director	August 27, 1999
By /s/ Rory B. Riggs Rory B. Riggs, Director	August 27, 1999
By /s/ David B. Schoon David B. Schoon, Director	August 27, 1999
By /s/ W. Peter Slusser W. Peter Slusser, Director	August 27, 1999
By /s/ Bradley O. Smith Bradley O. Smith, Director	August 27, 1999

Exhibit Index

3 and 4	Articles of Incorporation of the Registrant were filed with Form 10-K for the year ended June 30, 1981 and an amendment thereto was filed with Form 10-Q for the three-month period ended September 30, 1983, and are incorporated herein by reference. By-laws of the Registrant were filed with Form 10-K for the year ended June 30, 1981, and are incorporated herein by reference. Code of Regulations of the Registrant were filed with Form 10-K for the year ended June 30, 1981 and an amendment thereto was filed with Form 10-Q for the three-month period ended September 30, 1982, and are incorporated herein by reference.
10	The employment agreement with John J. Smith was filed with Form 10-Q for the quarter ended September 30, 1994 and an amendment and extension of the employment agreement thereto was filed with Form 10-K for the year ended June 30, 1998, and are incorporated herein by reference.
13	Portions of the 1999 Annual Report to Shareowners (filed herewith and attached).
22	Subsidiaries (filed herewith and attached).
23	Consent of independent auditors (filed herewith and attached).
27	Financial data schedule, submitted to the Securities and Exchange Commission for its information.

EXHIBIT 22

SPARTON CORPORATION

The Registrant, Sparton Corporation, an Ohio Corporation, had the following subsidiaries at June 30, 1999:

Name	Incorporated In
Domestic:	
Continuing Operations	
Sparton Electronics Florida, Inc.	Florida
Sparton Technology, Inc.	New Mexico
Discontinued Operations	
Sparton Engineered Products, Inc.-Flora Group	Illinois
Foreign (both continuing operations):	
Sparton of Canada, Limited	Ontario, Canada
Sparton Electronics International Sales, Ltd.	Barbados

EXHIBIT 23

SPARTON CORPORATION

CONSENT OF INDEPENDENT AUDITORS

We consent to the incorporation by reference in this Annual Report (Form 10-K) of Sparton Corporation of our report dated August 27, 1999, included in the 1999 Annual Report to Shareowners of Sparton Corporation and subsidiaries.

We also consent to the incorporation by reference in the Registration Statement (Form S-8 No. 33-43703) pertaining to the Sparton Corporation 1989 Stock Option Plan of our report dated August 27, 1999, with respect to the consolidated financial statements of Sparton Corporation and subsidiaries incorporated by reference in this Annual Report (Form 10-K) for the year ended June 30, 1999.

/s/ ERNST & YOUNG LLP

Toledo, Ohio
September 24, 1999