DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action Environmental Indicator (EI) RCRIS code (CA725)

Current Human Exposures Under Control

Facility Name:	Sparton Technology, Inc.
Facility Address:	9621 Coors Road NW Albuquerque, New Mexico 87114
Facility EPA ID#:	NMD083212332

1. Has all available relevant/significant information on known and reasonably suspected releases to soil, groundwater, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been considered in this EI determination?

If yes - check here and continue with #2 below.

- Ifno re-evaluate existing data, or
 - _____ if data are not available skip to #6 and enter" IN" (more information needed) status code.

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Current Human Exposures Under Control" EI

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the El are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Current Human Exposures Under Control" El are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

2. Are groundwater, soil, surface water, sediments, or air **media** known or reasonably suspected to be **"contaminated"**¹ above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

	Yes	<u>No</u>	?	Rationale / Key Contaminants
Groundwater	<u> </u>			Trichloroethylene (main contaminant)
Air (indoors) ²				Shallow soil gas concentrations are low
Surface Soil (e.g., <2 ft)	_⁄_			<u>Trichloroethylene (main contaminant)</u>
Surface Water		✓		Contamination does not intersect surface water
Sediment		_∕_		Release occurred in subsurface soils
Subsurf Soil (e.g., >2 ft)	1			Trichloroethylene (main contaminant)
Air (outdoors)		✓		Shallow soil gas concentrations are low

- If no (for all media) skip to #6, and enter "YE," status code after providing or citing appropriate "levels," and referencing sufficient supporting documentation demonstrating that these "levels" are not exceeded.
- ✓ If yes (for any media) continue after identifying key contaminants in each "contaminated" medium, citing appropriate "levels" (or provide an explanation for the determination that the medium could pose an unacceptable risk), and referencing supporting documentation.
 - If unknown (for any media) skip to #6 and enter "IN" status code.

Rationale and Reference(s):

<u>Ground Water: From 1983 to 1984, 17 monitoring wells were installed at the facility. Analyses of ground</u> water samples collected from these wells detected the contaminants presented in Table 1.

	Table 1		
Chemical	Concentration (ppb)	MCL (ppb)	WQCC ¹ (ppb)
Trichloroethylene	27 - 90,900	5	100
1,1,1-Trichloroethane	7 - 54,900	200	60
Methylene Chloride	11 - 78,400	N/A	100
1,1-Dichloroethylene	18 - 31,600	7	5
Tetrachloroethylene	17 - 953	5	N/A
Toluene	5 - 4,720	5	10
Benzene	20 - 193	1000	750
Chromium	22 - 32,100	100	50

¹New Mexico Water Quality Control Commission (WQCC) Standards

Since 1984, consistent ground water monitoring has been performed along with the completion of additional monitoring wells. Currently (i.e., July 1999), including both on-site and off-site, there are approximately 60 monitoring wells. According to ground water samples collected in May 1999, the

contaminant plume extends approximately ½ mile from the facility and has a maximum concentration of 10,000 ppb for Trichloroethylene in the off-site portion of the plume.

Subsurface Soil (i.e., >2 ft): Investigations concerning soil gas indicate that there are still areas within the subsurface that are slightly above protective risk based levels. Specifically, some soil gas samples have levels above 10 ppmv oftrichloroethylene which has been determine to be a protective level concerning continuing transfer of contaminants from the vadose zone to ground water. Surface soil (i.e., <2 ft.) have soil gas concentrations of less than 10 ppmv oftrichloroethylene.

 References:
 EPA Final Decision and Response to Comments - June 24, 1996

 Final Administrative Order - February 10, 1998
 Administrative Order - February 10, 1998

 Report on Soil Gas Characterization and Vapor Extraction SystemPilot Testing,
 prepared by Pierce L. Chandler, Jr., June 16, 1997

 Vadose Zone Investigation Report for Sparton Technology, Inc., June 17, 1999
 Press

Footnotes:

¹ "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based "levels" (for the media, that identify risks within the acceptable risk range).

² Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

3. Are there **complete pathways** between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

Potential Human Receptors (Under Current Conditions)

"Contaminated" Media	Residents	Workers	Day-Care	Construction	Trespassers	Recreation	Food ³
Groundwater	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>			<u>No</u>
Air (indoors)	<u>No</u>	<u>No</u>	<u>No</u>				
Soil (surface, e.g., <2 ft)	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>
Surface Water	<u>No</u>	<u>No</u>			<u>No</u>	<u>No</u>	<u>No</u>
Sediment	<u>No</u>	<u>No</u>			<u>No</u>	<u>No No</u>	
Soil (subsurface e.g., >2 ft)				No			<u>No</u>
Air (outdoors)	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>No</u>		

Instructions for Summary Exposure Pathway Evaluation Table:

1. Strike-out specific Media including Human Receptors' spaces for Media which are not

"contaminated") as identified in #2 above.

2. enter "yes" or "no" for potential "completeness" under each "Contaminated" Media -- Human Receptor combination (Pathway).

Note: In order to focus the evaluation to the most probable combinations some potential "Contaminated" Media - Human Receptor combinations (Pathways) do not have check spaces ("____"). While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

- <u>X</u> If no (pathways are not complete for any contaminated media-receptor combination) skip to #6, and enter "YE" status code, after explaining and/or referencing condition(s) inplace, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium(e.g., use optional <u>Pathway Evaluation Work Sheet</u> to analyze major pathways).
- If yes (pathways are complete for any "Contaminated" Media Human Receptor combination) continue after providing supporting explanation.
- If unknown (for any "Contaminated" Media Human Receptor combination) skip to #6 and enter "IN" status code

Rationale: The facility as well as the local, state, and federal governments have had knowledge of the contamination at the site for approximately 15 years. Based upon this awareness, the City of Albuquerque or the New Mexico Utilities Corporation, the parties responsible for supplying public water supply, have not completed water supply wells within the area near the facility. Water supply in the area comes from other City of Albuquerque or New Mexico Utilities Corporation supply systems. Since the facility has been aware of the contamination (i.e., mid-1980's), workers develop appropriate health and safety plans if intrusive work has to be performed at or near the facility. Facility implemented a soil vapor extraction system for the majority of 1998 and is required to upgrade and implement a soil vapor extraction system under the March 3, 2000, U.S. District Court Consent Decree.

References:EPA Final Decision and Response to Comments - June 24, 1996Final Administrative Order - February 10, 1998Administrative Record supporting the Final Administrative Order of February 10, 1998

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³ Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

- 4 Can the **exposures** from any of the complete pathways identified in #3 be reasonably expected to be **"significant**"⁴ (i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable "levels" (used to identify the " contamination"); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable " levels") could result in greater than acceptable risks)?
 - If no (exposures can not be reasonably expected to be significant (i.e., potentially "unacceptable") for any complete exposure pathway) - skip to #6 and enter "YE" status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to "contamination" (identified in #3) are not expected to be "significant."
 - If yes (exposures could be reasonably expected to be "significant" (i.e., potentially "unacceptable") for any complete exposure pathway) - continue after providing a description (of each potentially "unacceptable" exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to "contamination" (identified in #3) are not expected to be "significant."

lfunknown (for any complete pathway) - skip to #6 and enter "IN" status code

Rationale and Reference(s):_____

⁴ If there is any question on whether the identified exposures are "significant" (i.e., potentially "unacceptable") consult a human health Risk Assessment specialist with appropriate education, training and experience.

5 Can the "significant" exposures (identified in #4) be shown to be within acceptable limits?

- If yes (all "significant" exposures have been shown to be within acceptable limits) continue and enter "YE" after summarizing and referencing documentation justifying why all "significant" exposures to "contamination" are within acceptable limits (e.g., a sitespecific Human Health Risk Assessment).
- If no (there are current exposures that can be reasonably expected to be "unacceptable")continue and enter "NO" status code after providing a description of each potentially "unacceptable" exposure.
- If unknown (for any potentially "unacceptable" exposure) continue and enter "IN" status code

Rationale and Reference(s):	
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- 6. Check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (and attach appropriate supporting documentation as well as a map of the facility):
 - _X___ YE Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the Sparton Technology, Inc. facility, EPA ID #NMD083212332, located at 9621 Coors Rd. NW, Albuquerque, NM 87114 under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
 - NO "Current Human Exposures" are NOT "Under Control."
 - IN More information is needed to make a determination.

Completed by	(signature) Rob Warder	Date 6/25/2001
	(print) (Ch Warder	
	(title) Esso	
Supervisor	(signature) Li ···································	Date 6/29/2001
-	(print) JUHN KIELING	
	(title) Regram mourtele	
	(EPA Region or State) Nm STATE	

Locations where References may be found:

2905 Rocleo Purk Dr. Bldg 1 Sata FC, NM 87505	
Senta FC. NM 87505	

Contact telephone and e-mail numbers

(name) .	Juha	Kielini	
(phone #)_	505.	827-1857	
(e-mail)	john. A	Kiling Ostete nm. us	
	J		

FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.

DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action Environmental Indicator (EI) RCRIS code (CA750)

Migration of Contaminated Groundwater Under Control

Facility Name:	Sparton Technology, Inc Coors Road Facility
Facility Address:	9621 Coors Road NW Albuquerque, New Mexico 87114
Facility EPA ID#:	NMD083212332

1. Has all available relevant/significant information on known and reasonably suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been considered in this El determination?

<u> </u>	If yes - check here and continue with #2 below.
	Ifno - re-evaluate existing data, or
	ifdata are not available, skip to #8 and enter" IN" (more information needed) status code.

BACKGROUND

Definition of Environmental Indicators (for the RCRA Corrective Action)

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An El for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Migration of Contaminated Groundwater Under Control" El

A positive "Migration of Contaminated Groundwater Under Control" EI determination ("YE" status code) indicates that the migration of "contaminated" groundwater has stabilized, and that monitoring will be conducted to confirm that contaminated groundwater remains within the original " area of contaminated groundwater" (for all groundwater " contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near-term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Migration of Contaminated Groundwater Under Control" El pertains ONLY to the physical migration (i.e., further spread) of contaminated ground water and contaminants within groundwater (e.g., non-aqueous phase liquids or NAPLs). Achieving this EI does not substitute for achieving other stabilization or final remedy requirements and expectations associated with sources of contamination and the need to restore, wherever practicable, contaminated groundwater to be suitable for its designated current and future uses.

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e.,

RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

- 2. Is groundwater known or reasonably suspected to be "contaminated"¹ above appropriately protective "levels" (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?
 - ____ If yes continue after identifying key contaminants, citing appropriate "levels," and referencing supporting documentation.
 - If no skip to #8 and enter "YE" status code, after citing appropriate "levels," and referencing supporting documentation to demonstrate that groundwater is not "contaminated."
 - _____ Ifunknown skip to #8 and enter " IN" status code.

Rationale and Reference(s):

From 1983 to 1984, 17 monitoring wells were installed at the facility. Analyses of ground water samples collected from these wells detected the contaminants presented in Table 1.

	Table 1	•	
Chemical	Concentration (ppb)	MCL (ppb)	WQCC ¹ (ppb)
Trichloroethylene	27 - 90,900	5	100
1,1,1-Trichloroethane	7 - 54,900	200	60
Methylene Chloride	11 - 78,400	N/A	100
1,1-Dichloroethylene	18 - 31,600	7	5
Tetrachloroethylene	17 - 953	5	N/A
Toluene	5 - 4,720	5	10
Benzene	20 - 193	1000	750
Chromium	22 - 32,100	100	50

¹New Mexico Water Quality Control Commission (WQCC) Standards

Since 1984, consistent ground water monitoring has been performed along with the completion of additional monitoring wells. Currently (i.e., July 1999), including both on-site and off-site, there are approximately 60 monitoring wells. According to ground water samples collected in May 1999, the contaminant plume extends approximately ½ mile from the facility and has a maximum concentration of 10,000 ppb for Trichloroethylene in the off-site portion of the plume.

 References:
 EPA Final Decision and Response to Comments - June 24, 1996

 Final Administrative Order - February 10, 1998
 Administrative Record supporting the Final Administrative Order of February 10, 1998

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Footnotes:

¹" Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriate "levels" (appropriate for the protection of the groundwater resource and its beneficial uses).

3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater"² as defined by the monitoring locations designated at the time of this determination)?

- ✓ If yes continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimensions of the "existing area of groundwater contamination"²).
- If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the "existing area of groundwater contamination"²) skip to #8 and enter "NO" status code, after providing an explanation.
 - Ifunknown skip to #8 and enter " IN" status code.

Rationale and Reference(s):

Based upon water level measurements obtained on June 24, 1999, the off-site containment well (CW1), which has operated at a rate of approximately 225 gallons per minute since February 1, 1999, (except for intermittent operation in April 1999 to install a permanent pump and associated air stripper to treat the contaminated ground water) ground water which encompasses the horizontal and vertical dimensions of the existing volume of ground water contamination will be captured by CW1.

<u>1.</u>	Ground Water Investigation Report - Performance Assessment of the Off-Site
	Containment Well, prepared for Sparton by S.S. Papadopulos & Associates,
<u>2.</u>	Inc., August 6, 1999 Coors Road Facility Ground Water Monitoring Program - Semi-Annual Progress Report, July 1999
	<u>1.</u> <u>2.</u>

² "existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within this area, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

- 4. Does "contaminated" groundwater discharge into surface water bodies?
 - If yes continue after identifying potentially affected surface water bodies.
 - ✓ If no skip to #7 (and enter a "YE" status code in #8, if #7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater "contamination" does not enter surface water bodies.
 - Ifunknown skip to #8 and enter "IN" status code.

Rationale and Reference(s):

According to the geology and hydrology information presented in the RCRA Facility Investigation for the Sparton facility, the ground water in the Albuquerque Basin deposits near Albuquerque discharges by evapotranspiration, springs and seeps, drains, wells, and as base flow to the Rio Grande River. In the Albuquerque area, the Rio Grande River generally loses rather than gains. The ground water at the site is approximately 60 feet below the surface and approximately 160 feet below the surface in off-site areas. Also, the historical ground water flow direction has always been away from the Rio Grande River, thus indicating that ground water does not discharge to the Rio Grande. The Rio Grande River is the only major surface water body near the site that would have the possibility of being influenced by ground water.

 References:
 EPA Final Decision and Response to Comments - June 24, 1996

 Final Administrative Order - February 10, 1998
 Administrative Record supporting the Final Administrative Order of February 10, 1998

- 5. Is the **discharge** of "contaminated" groundwater into surface water likely to be "**insignificant**" (i.e., the maximum concentration³ of each contaminant discharging into surface water is less than 10 times their appropriate groundwater "level," and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?
 - If yes skip to #7 (and enter "YE" status code in #8 if #7 = yes), after documenting: 1) the maximum known or reasonably suspected concentration³ of <u>key</u> contaminants discharged above their groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgement/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.
 - If no (the discharge of "contaminated" groundwater into surface water is potentially significant) - continue after documenting: 1) the maximum known or reasonably suspected concentration³ of <u>each</u> contaminant discharged above its groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations³ greater than 100 times their appropriate groundwater "levels," the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

If unknown - enter " IN" status code in #8.

Rationale and Reference(s):

Skipped because answer to Number 4 was "No".

³ As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.

- 6. Can the **discharge** of "contaminated" groundwater into surface water be shown to be "**currently acceptable**" (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented⁴)?
 - If yes continue after either: 1) identifying the Final Remedy decision incorporating these conditions, or other site-specific criteria (developed for the protection of the site's surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment,⁵ appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interimassessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment "levels," as well as any other factors, such as effects on ecological receptors (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.
 - If no (the discharge of "contaminated" groundwater can not be shown to be "**currently** acceptable") - skip to #8 and enter "NO" status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and/or eco-systems.
 - _____ Ifunknown skip to 8 and enter " IN" status code.

Rationale and Reference(s):

Skipped because answer to Number 4 was "No".

⁴ Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

⁵ The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

- 7. Will groundwater **monitoring** / measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater?"
 - ✓ If yes continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in #3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the "existing area of groundwater contamination."
 - _____ If no enter "NO" status code in #8.
 - _____ Ifunknown enter "IN" status code in #8.

Rationale and Reference(s):

The facility has implemented ground water monitoring programs in the past pursuant to agreements with the EPA and NMED. A new ground water monitoring program has been implemented (i.e., 1999) that requires sampling of approximately 60 monitoring wells to confirm no migration of the contaminated ground water. This plan is incorporated in the U.S. District Court of New Mexico Consent Decree dated March 3, 2000.

 Reference:
 U.S. District Court of New Mexico Consent Decree dated March 3, 2000

 EPA Final Decision and Response to Comments - June 24, 1996

 Final Administrative Order - February 10, 1998

 Administrative Record supporting the Final Administrative Order of February 10, 1998

- 8. Check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).
 - __X___YE Yes, "Migration of Contaminated Groundwater under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater" is "Under Control" at the Sparton Technologies, Inc. facility, EPA ID # NMD083212332, located at 9621 Coors Rd. NW, Albuquerque, NM 87114. Specifically, this determination indicates that the migration of "contaminated" groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the "existing area of contaminated groundwater" This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

NO - Unacceptable migration of contaminated groundwater is observed or expected.

IN - More information is needed to make a determination.

Completed by	(signature) Rob Warder (print) Rob Warder	Date 6 2 9 / Zw 1
Supervisor	(title) Est s (signature)	Date 6/21/201
	(print) Juiton Kazukk (title) RegGran Marshark (EPA Region or State) Mu STATE	

Locations where References may be found:

Hazardovi	Warte Burn	- NMED	
2905 Rode	Rock PriE. NM 87505	plds 1	
Sup For	NM 87505		

Contact telephone and e-mail numbers

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(phone #)	565-827-1557	
(e-mail)	juhn. Kelin @ state. non. VI	