

Sparton 94



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MEMORANDUM

TO: Marc Sides, RCRA Permitting Program

THROUGH: Steve Alexander, RCRA Technical Compliance Program Manager *SMA*

FROM: Ron Kern, Technical Compliance Program *RAK*

DATE: February 28, 1994

SUBJECT: **Point of Compliance Monitoring Wells; Sparton Technology, Inc., Albuquerque**

The Technical Compliance Program was requested by the RCRA Permitting Program to select Point of Compliance (POC) monitoring wells, as well as Contaminants of Concern (COC) and applicable maximum concentrations in the groundwater at Sparton Technology, Inc. (ST) in Albuquerque. The POC information is proposed to be included within the final Post-Closure Care Permit (PCCP) to be issued to ST.

Monitoring wells selected to be POC wells (see attached map), plus COCs and their maximum concentrations are indicated on Attachment I. Because ST contains more than one RCRA-regulated unit, monitoring wells were chosen on the basis of being hydraulically downgradient from an imaginary line circumscribing the regulated units (40 CFR 264.95). Furthermore, because there are three main "flow zones" delineated by ST within the uppermost aquifer, POC wells were selected for the Upper Flow Zone (UFZ), Upper Lower Flow Zone (ULFZ), and Lower Lower Flow Zone (LLFZ). The horizontal spacing between these monitoring wells is considered adequate to ensure compliance with requirements of 40 CFR 264.92. (Note: One or more of these monitoring wells may eventually be converted to recovery wells depending upon finalization of the EPA-directed Corrective Measure Study).

Hazardous constituents (40 CFR 264.93) have been selected based on their status as significant contaminants in the groundwater. Maximum concentrations limits (40 CFR 264.94) were chosen based on the fact that the aquifer is the sole drinking water supply for the City of Albuquerque (Class I aquifer) and that contaminants should therefore not exceed Maximum Contaminant Levels or appropriate Health-based Action Levels.

cc: Barbara Hoditschek, RCRA Permitting Program Manager

ATTACHMENT I

These monitoring wells, contaminants and concentration limits constitute the Point of Compliance criteria [40 CFR 270.14(c)(3)] for the Post-Closure Care Permit at the Coors Road Facility of Sparton Technology, Inc., Albuquerque, New Mexico.

Point of Compliance Monitoring Wells:

Upper Flow Zone (UFZ)

MW-9
MW-13
MW-14
MW-15
MW-21
MW-33

Upper Lower Flow Zone (ULFZ)

MW-19
MW-29
MW-30
MW-41
MW-42

Lower Lower Flow Zone (LLFZ)

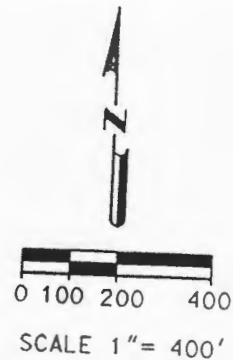
MW-20
MW-32
MW-38
MW-39
MW-43

Point of Compliance Hazardous Constituents and Concentration Limits:

Hazardous Constituents

Concentration Limits

Trichloroethene	5 ug/liter
1,1-Dichloroethene	5 ug/liter
Tetrachloroethene	5 ug/liter
1,1,1-Trichloroethane	60 ug/liter
1,1,2-Trichloroethane	10 ug/liter
Chromium (total)	50 ug/liter



LEGEND

- UPPER FLOW ZONE WELL
- UPPER LOWER FLOW ZONE WELL
- LOWER LOWER FLOW ZONE WELL
- ▲ THIRD FLOW ZONE WELL

Recovery Wells

- 18
- 23
- 24
- 25
- 26
- 27
- 28

1:524,000 N

NOTE: THIS FIGURE UTILIZES INFORMATION FROM RFI FIGURE 11.



MONITOR WELL LOCATION PLAN

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

Date	OCT '92
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