


A Report Prepared for

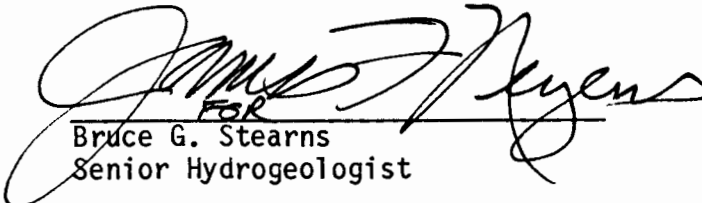
Sparton Technology, Inc.
4901 Rockaway Boulevard, S.E.
Rio Rancho, New Mexico 87124

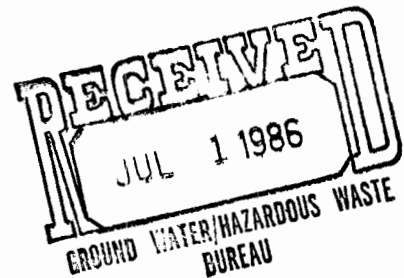
SOIL INVESTIGATION OF THE
UNSATURATED AND UPPER SATURATED ZONES
SPARTON TECHNOLOGY, INC.
COORS ROAD PLANT
ALBUQUERQUE, NEW MEXICO

HLA Job No. 6310,023.12

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I INTRODUCTION

Sparton Technology, Inc. (Sparton) operates an electronics manufacturing facility at 9621 Coors Road, N.W., in Albuquerque, New Mexico. Past waste management practices in an area northeast of the plant may have resulted in contamination of groundwater beneath the site. Waste solvents were stored in a concrete block sump prior to 1980. Aqueous plating wastes were stored in two lined surface impoundments which are now inactive. The ponds and the sump have likely leaked in the past. The extent and rate of contaminants migration in the vadose zone and in the underlying aquifer are the subject of a series of ongoing investigations, of which this investigation is one.

This investigation was undertaken at the direction of Sparton in order to determine the extent of contamination in soils of the vadose zone underlying the presumed source in the pond and sump area described above. Interpretation of geologic and chemical data collected during this investigation has led to the estimation of contaminant migration pathways through the vadose zone and the upper saturated zone.

Seven borings were performed in the pond and sump area, and four additional borings were performed at other locations to establish background levels of contaminant parameters and to further define the geology of the vadose zone and the unsaturated zone. Although the primary purpose of each of the borings was to evaluate soils of the unsaturated zone, each boring was extended in order to encounter the aquitard known to exist from five to ten feet below the water table throughout most of the site.

Additional geologic information was obtained from the boring performed during the installation of MW-18 in May 1986. Information about the aquitard obtained from the soil borings and from MW-18 is evaluated in this report with respect to potential contaminant migration pathways within the upper flow zone of the aquifer which underlies the site. The location of the borings and MW-18 are shown in Plate 1.