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Subject: **Monthly Progress Report 20**
General Electric Consent Decree
Civil Action No. 87-1073-jb

Percentage of RFI completed - 95%
Percentage of CMS completed - 75%

RFI

A revised Work Plan for Supplemental Soil Assessment was submitted by GE. GE also requested that EPA Region 6 defer its requirement that investigation in the vicinity of Drywell No. 2 must continue until minimum detection levels are achieved in analyses.

CMS

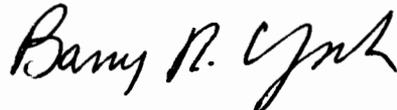
Internal drafts have been completed for Task VII, Identification and Development of the Corrective Action Alternatives, and Task VIII, Evaluation of the Corrective Measure Alternatives.



PROJECTED WORK

The draft Corrective Measures Study will be submitted within the next reporting period.

Very truly yours,



Barry R. York
Environmental Project Manager

albuq20.wp

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WORKPLAN FOR SUPPLEMENTAL SOIL ASSESSMENT

**GENERAL ELECTRIC APPARATUS SERVICE SHOP
ALBUQUERQUE, NEW MEXICO**

JANUARY, 1991

OBJECTIVE

The objective of the additional assessment is to collect and analyze soil samples from the area of Drywell No. 2 to further define the horizontal and vertical limits of soil contamination associated with past releases from the drywell. These data will supplement those presented in the Final RFI dated November, 1990.

The following sections describe the plan for the collection and analyses of additional soil samples.

DATA COLLECTION

Sampling and Analysis

To further define the vertical limits of the detected constituents in the area of Drywell No. 2, one soil test boring (B-7A) will be advanced adjacent to boring B-7. Split-spoon soil samples will be collected at 5-foot intervals, starting at a depth of 35 feet and initially terminating at a depth of 60 feet. The soil sample collected at 60 feet will be split and one portion of the sample will be transported to Controls for Environmental Pollution Laboratory (CEP) located in Santa Fe, New Mexico. Overnight analysis by EPA Method 8240 will be performed to determine if sufficient depth to define the vertical extent of constituents in soil has been reached. If analysis of the sample collected at 60 feet indicates the presence of constituents, the boring will be extended to greater depth and split-spoon samples will continue to be collected on 5-foot intervals. As long as the overnight analyses indicate that constituents are present, the boring will be continued.

The soil samples collected on 5-foot centers will be placed in appropriate containers and shipped overnight, under chain-of-custody protocol, to Law Environmental National Laboratories (LENL) in Pensacola, Florida for the following analyses:

EPA Method 8010

EPA Method 8020

EPA Method 8270

To further define the horizontal extent of constituents detected in the area of borings B-12, B-13 and B-14, split-spoon samples collected from two or more preliminary borings drilled at locations approximately 10 feet beyond the radius from Drywell No. 2 which was defined by borings B-12, B-13 and B-14. The soil samples will be collected from depths most indicative of soil contamination and will be analyzed, by CEP Laboratories in Santa Fe, New Mexico, for VOC's (EPA Method 8240) and semi-volatiles (EPA Method 8270). Results of these analyses will be used to aid in determining the locations of 4 additional soil borings. Once the locations are selected, the 4 borings will be advanced and split-spoon samples will be collected every 5 feet from 10 feet to 30 feet and at 40 feet. The samples will be placed in appropriate containers and shipped overnight, under chain-of-custody protocol, to LENL for the following analyses:

EPA Method 8010

EPA Method 8020

EPA Method 8270

Decontamination

Decontamination procedures will be as described in the RFI Workplan dated September, 1989. Prior to commencing drilling and between each boring, all downhole equipment will be steam cleaned. Decontamination water will be collected for discharge into GE's outlet to the public sewer system. All soil cuttings will be placed in appropriately labeled drums for proper disposal.

Sampling equipment will be decontaminated between each sample collection using the following procedures:

- o Scrub with a brush and potable water;
- o Clean with solution such as Liquinox or Alconox;
- o Steam clean with potable water;
- o Rinse with reagent grade hexane; and
- o Rinse with distilled water.

Quality Assurance and Quality Control

Quality Assurance and Quality Control Procedures will be as described in the RFI Workplan dated September, 1989. To provide quality assurance and quality control, the following procedures will be performed. A trip blank of laboratory reagent water will be prepared for each batch of 20 samples or for each day of sampling, whichever is more frequent. Trip blanks will be analyzed for the same organic constituents as the samples.

An equipment blank of laboratory-prepared organic-free soil will be prepared for each day soil samples are collected or for each batch of 20 samples, whichever is more frequent. The equipment blanks will be analyzed for the same organic constituents as the samples.

A replicate sample will be collected at a frequency of at least 1 per 20 samples or 1 replicate sample for each day soil samples are collected. The replicates will be analyzed for the same constituents as the samples.

Data validation will be performed in the same manner as for the samples collected during the RFI. The laboratory will provide deliverables sufficient to perform data validation.

Reporting

Upon completion of the additional activities, a report will be issued describing the sampling activities and the results and conclusions of the assessment. A discussion of the data validation will also be included.

Schedule

Drilling and sampling activities will begin approximately 2 weeks following receipt of approval of this Workplan. Field activities are estimated to take one week to complete. Approximately 5 weeks will be necessary to perform the laboratory analysis and provide the necessary backup for data validation. A letter report will be submitted within 5 weeks of receipt of the laboratory analysis.