



March 25, 1982

Interx Corp.
20-14082-02

USNRC
631 Park Avenue
King of Prussia, PA 19406

Ref: Control No. 09961

Dear Mr. Jerman:

Enclosed is a layout of our new facilities and a listing of laboratory and counting equipment.

The facility is a 10000 sq. ft. portion of a 20000 sq. ft. building. It is separated from the (presently unoccupied) other half by two locked doors. The front half of the Chemical Waste Management portion is primarily offices, a lunch room and document file storage. The rear half of the building contains the laboratory and counting facilities as well as the storage room for the Cs-137 source and any radionuclides that we may have on hand. The majority of the latter are EPA standard solutions used in the Cross-Check program. Access to the back area is controlled through two doorways.

The laboratories are designed to perform chemical and radiochemical analyses on environmental samples. Samples for radiochemical analysis are from various REMPs and some supplied to assure compliance with the Safe Drinking Water regulations. The laboratories have the usual equipment including fume hoods, balances, benches, centrifuges, etc.

The laboratory and counting room staff are generally college graduates with a degree in science.

Please do not hesitate to contact me if you require any further information.

Very Truly Yours,

Richard C. Fix

Richard C. Fix, PhD,
Manager
Environmental Sciences

ML10

"OFFICIAL RECORD COPY"

8510300260 850920
REG1 LIC30
20-14082-02 PDR

09961
MAR 31 1982



Table A

Laboratory Testing Equipment

The following instrumentation is available for radiation measurement and radiochemical analysis:

Nuclear Data 4420 computer-based gamma-ray spectrometry systems with both GeLi and NaI detectors. The GeLi detectors have approximately 17% efficiency.

Nuclear Chicago 480 proportional alpha and beta flow detector with associated NC 8712 scaler, timer and high voltage supply and NC 1150 sample changer.

LND model 49301 and Bedford Engineering low background beta detectors with custom-built high voltage supplies, anti-coincidence circuits and registers. A total of 13 detectors are currently in operation.

Custom-built, ultra-low background beta-gamma coincidence counter for I-131. Background is approximately .03 cpm and the efficiency of .1.

Baird Centicount automatic proportional alpha and beta counting system.

Packard 5000 series auto-gamma spectrometer and model 5052 NaI detector.

Perkin-Elmer 603 atomic absorption spectrophotometer with HGA-2200 graphite furnace, background correction and 2 EDL power supplies

Victoreen Model 2600 reader and CaF₂: Mn bulb dosimeters.

A Nuclear Chicago liquid scintillation counter is available for tritium measurement.

In addition to the atomic absorption spectrophotometer listed, the following instrumentation is used for chemical analysis:

Bausch and Lomb Spectromic 21 Spectrophotometer

Bausch and Lomb Spectronic 20 Spectrophotometer

Hach 1860A turbidimeter

*Ludlum Model 3 Survey Meter with 44-7 and
+ 44-2 probes*



Orion Research Microprocessor Ionalyzer/901 with both pH and specific ion electrodes

Chemgrix model 60A digital pH/mV meter with both pH and specific ion electrodes.

Micro Filtration Systems Hazardous Waste Filtration System KST-142 for EP Toxicity

Associated Design & Mfg. Co. Hazardous Waste Rotary Extractor for EP Toxicity

Chemtrix type 70 conductivity meter and probe.

OVERSIZE DOCUMENT PAGE PULLED

SEE APERTURE CARDS

NUMBER OF PAGES: 1

ACCESSION NUMBER(S):

8510300260-01

APERTURE CARD/HARD COPY AVAILABLE FROM RECORD SERVICES BRANCH, TIDC
FTS 492-8989