

Illinois Department of Nuclear Safety

1035 Outer Park Drive
Philip F. Gustafson
Director

Springfield, Illinois 62704

(217) 546-8100

December 22, 1982

030-17943

Bruce Mallet, Ph.D.
Chief, Material Licensing Section
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RE: License #12-20084-01

Dear Dr. Mallet:

We request that the following amendments be made to our license:

1. Condition 10 - Amend to add:

580 North Street, Springfield, Illinois - Items 6A, 6D, 6E, 6F
550 North Street, Springfield, Illinois - Items 6A, 6D, 6E, 6F

Floor plans of the above facilities are enclosed. At any time licensed radioactive material is stored at these locations, these facilities will be locked. Radiation levels to adjoining unrestricted tenant areas will be maintained in accordance with 10CFR20.105.

2. Condition 12 - Amend to add:

Kenneth Barat - All items.

(Please refer to USNRC Licenses 12-18044-01MD, 48-174-66-01MD, 37-18461-01MD, 14-19990-01MD for documentation regarding training and experience.)

Donald Cohen - All items. Resume enclosed.

David Ed - All items. Resume enclosed.

Timothy Runyon - Items 6A, 6D, 6F. Resume enclosed.

Your assistance to this Department is appreciated.

Sincerely,

Paul D. Eastvold

Paul D. Eastvold, Chief
Division of Nuclear Materials

PDE/mfm

Encls: (5)

cc: Philip F. Gustafson, Director, IDNS
License File

8509060331 850829

PDR FOIA

HUBER85-189

PDR

Discover The Magnificent Miles of Illinois

DEC 27 1982

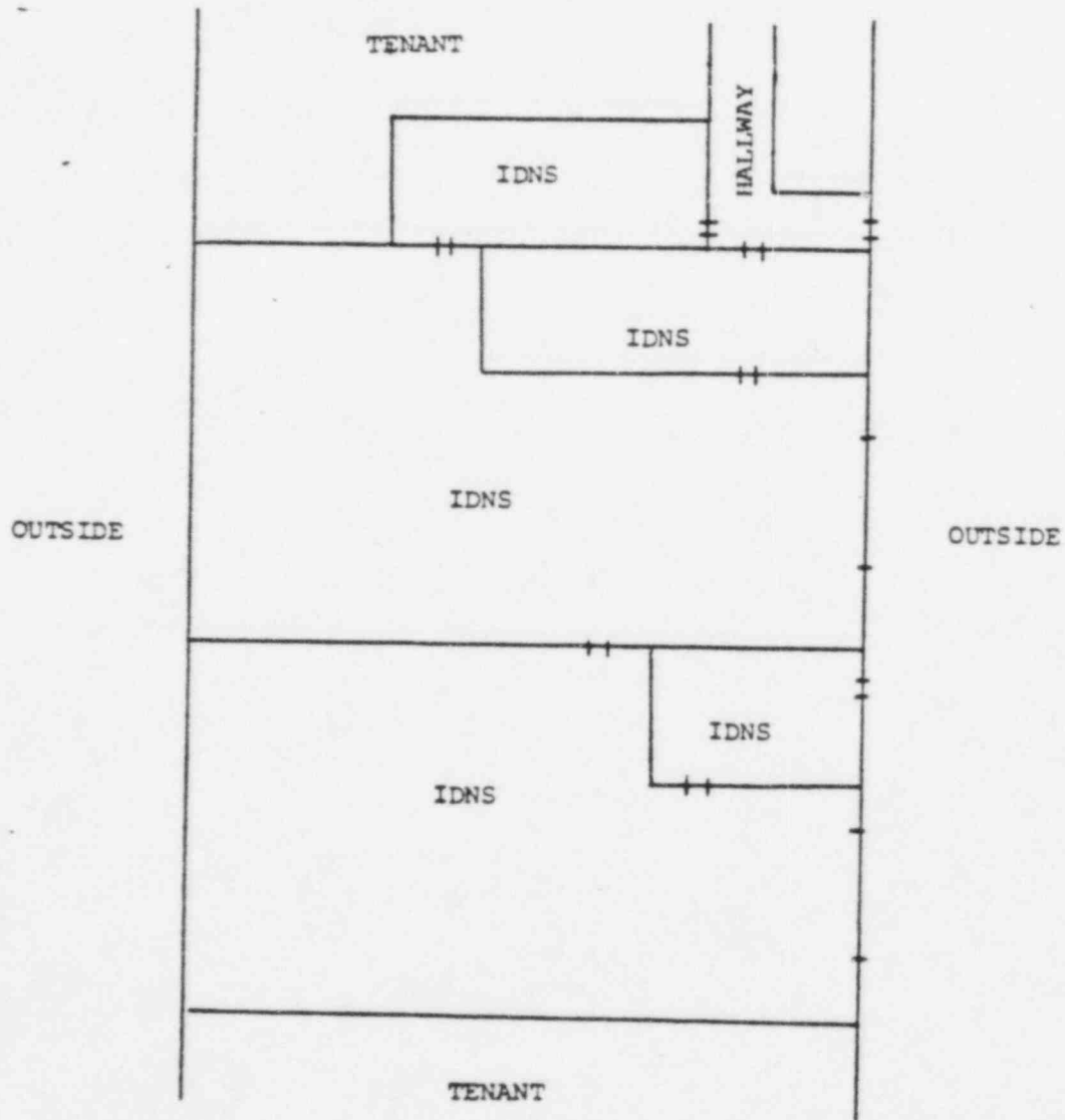
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RECEIVED BY LFMB
Date: 1/6/83
Log: Jan 5 III
By: Brown
Orig To: 1/7/83
Action: compl

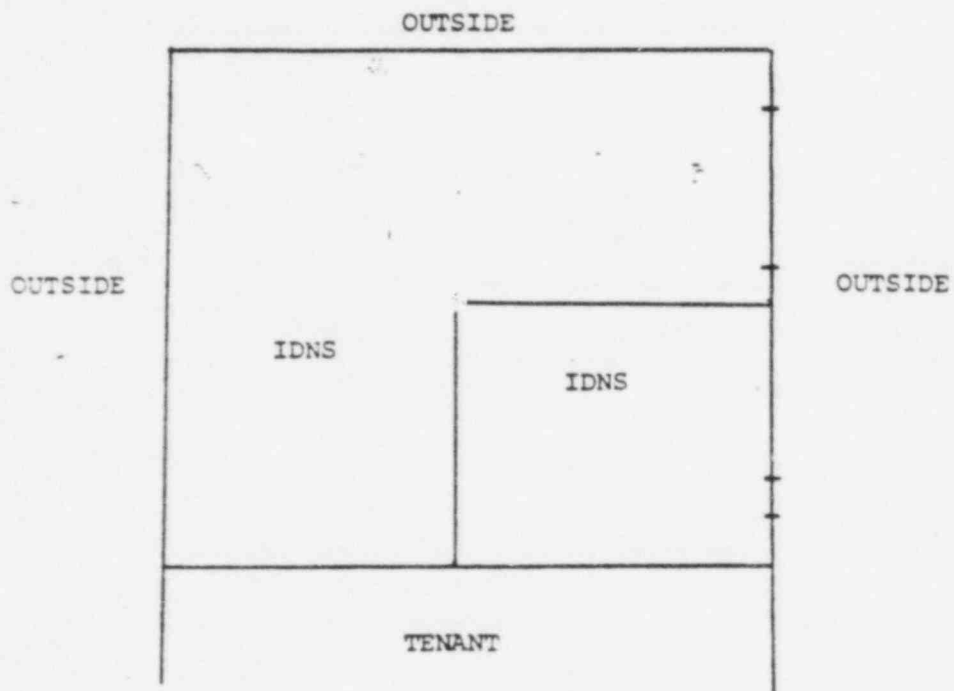
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550 NORTH STREET



0729 °

580 NORTH STREET



DONALD COHEN

Home: ~~(312) 972-3601~~ (217) 546-8100
Work: ~~(312) 972-3601~~ (217) 546-8100

Education:

Ph.D. Chemistry, Purdue University, 1950
A.B. Chemistry, University of Buffalo, 1941

Employment:

Argonne National Laboratory, 1949-1981
Chemist
Cornell College, Summers of 1959 and 1960
Program Coordinator, NSF Conference "Radioisotopes and their
Uses"
Washington University, Summer of 1964
Visiting Professor
U. S. Army, 1942-1946

Professional Experience:

Actinide Element Chemistry - Electrochemistry, Isotopic Exchange
Reactions, Kinetics, Molten Salts, Synthesis, Spectroscopy,
Radiolysis, Mössbauer Studies

Radioactive Waste Management - Chemistry of Actinide Elements in
Neutral Solution, Stability of Oxidation State, Migration of Ions
in Geologic Media, Liquid Flow Through a Crevice

Open-Cycle Liquid-Metal Magnetohydrodynamics - The Chemistry of
Liquid Copper, Reactions with Combustion Gases and Coal Ash,
Measurement of Void Fractions of a Two Phase System

Major Instruments and
Techniques Utilized:

Spectroscopy, UV/Visible/Near IR, Infra-Red, and Raman; Chroma-
tography, Ion Exchange and Gas; Potentiometry, Polarography and
Conductivity Measurements; Thermal Analysis; X-Ray Analysis;
Vacuum Line Techniques; Glove Box and Cave Operations; Fluorine
Chemistry; Solvent Extraction; Gamma Ray Attenuation Techniques;
High Temperature Chemistry

Addendum - Donald Cohen

Honors:

1976-1977 President, Argonne Chapter of Sigma Xi
1961-1962 Visiting Scientist, Chemistry Division, A.E.R.E.
Harwell
1947-1979 Westinghouse Fellowship, Purdue University
1940-1941 Undergraduate Assistantship, University of Buffalo

Publications:

Eighty

EDUCATION/EXPERIENCE
RELATED TO THE USE OF
RADIOACTIVE MATERIALS

USER: David D. Ed

FORMAL EDUCATION: University of Illinois, 1967-1971
B.S. Chemistry

SPECIAL EDUCATION: Harvard University, 1982
Biological Effects of Ionizing Radiation

USNRC, FEMA, 1980
Dose Projection, Accident Assessment and
Protective Action Decision Making for Radiological
Emergency Response

Georgia Institute of Technology, 1977
Environmental Radiation Surveillance

USNRC/ERDA, 1977
Radiological Emergency Response Operations Training

University of Chicago, 1971
Argonne National Laboratory
Environmental Source Term Modeling

EXPERIENCE: Illinois Department of Public Health, 1974-1979
Division of Laboratories
Chief, Nuclear Chemistry Section
Supervised the use of utilized solid, liquid and gaseous
calibration standards, analyzed Rx offgas, waste decay tank
samples liquid discharge, environmental samples, low level
waste resins, etc. Isotopes included: all MFP, some TRU
and natural Th & U chains. Activity range: μCi - mCi .

Illinois Department of Nuclear Safety, 1980-present
Manager, Office of Technical Support
Mainly managerial/administrative duties supervising technical
staff of 10-20 health physicists, radiochemists and technicians.
Occasionally use/supervise use of sealed Ra-226 source; $\approx 11\text{mCi}$.

PROFESSIONAL ACTIVITIES/ASSOCIATIONS:

Member Health Physics Society
Sub-Committee on Reporting of Environmental Radiation Data

Alternate to Health Physics Society Steering Committee on Upgrading
the Quality and Usability of Environmental Radiation Data

Alternate to Radioactivity Sub-Committee International Joint Commission,
Great Lakes Water Quality, Ontario, Canada

Appointed United States Participant, International Symposium on the Behavior of Tritium in the Environment, International Atomic Energy Agency, San Francisco, California

Co-author "Illinois Experience with Low-Level Waste Management", presented at Symposium on Management of Low-Level Radioactive Wastes, Atlanta, Georgia

Designed and operated nuclear monitoring systems to support U.S. Geological Survey Horizontal Boring Research Project at the Sheffield Low-Level Nuclear Waste Disposal Site

Presented several short courses on safety in Radiochemistry Laboratories

Co-author "Illinois Plan for Radiological Accidents", technical volumes w/Standard Operating Procedures

Member, Steering Committee for the Investigation of Tritium Migration at the Sheffield Low-Level Nuclear Waste Disposal Site

Co-designer, Illinois Remote Radiological Monitoring System

RESUME OF: Timothy A. Runyon

Phone:

PERSONAL DATA

Birthdate:
Height:
Weight:
Health:
Marital Status:

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ACADEMIC HISTOF

Western Illinois University 1976-77
General Education 38 quarter hours

Illinois Central College 1977-79
Radiologic Technology
Associates Degree in Applied Science
A.R.R.T. - registration fall 1979
2400 hours clinical practice

ADDITIONAL TRAINING

O.S.H.A. - Recognition, Evaluation and Control of Radiation
Argonne National Laboratories - July 13-24, 1981

REECO - Emergency Response for Radiological Accidents
Las Vegas and Mercury Nevada - October, 1981

EMPLOYMENT RECORD

November 5, 1979 - Present
Field Inspector
Illinois Department of Nuclear Safety
5415 N. University
Peoria, Illinois 61614

August 28 - November 2, 1979
Radiographer
Methodist Medical Center
Peoria, Illinois 61614

January 1978 - August 1979
Student Radiographer
Pekin Memorial Hospital
Court and 14th Streets
Pekin, Illinois 61554