

## APPENDIX A-4

U.S. Federal Communications Commission  
Antenna Structure Registration



# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION



## ANTENNA STRUCTURE REGISTRATION

Part 17 of the FCC rules requires you to: (1) immediately provide a copy of this registration to each FCC licensed tenant of your structure (although not required, you may want to use Certified Mail to obtain proof of receipt); and, (2) display the Registration Number in a conspicuous place visible near the base of the structure (unless a government entity object, in writing, to the display near a historic landmark). SEE INFORMATION ON REVERSE

DUPLICATE 10/23/98

## Owner:

PORT AUTHORITY OF NEW YORK & NEW JERSEY  
CHARLES CLINTON  
241 ERIE ST RM 300  
JERSEY CITY NJ 07310-1397

## Registration Number:

1002506

## Issue Date:

03/23/98

## Location of Antenna Structure:

1 WTC  
NEW YORK NY

## Ground Elevation:

3.6 meters

## Overall Height Above Ground (AOL):

527.3 meters

## Latitude

N40-42-43

## Longitude

W074-00-49 NAD 27

## Overall Height Above Mean Sea Level (AMSL):

530.8 meters

## Painting and Lighting Requirements:

Paint and Light in Accordance with FAA Circular Number 70/7460-1J  
eters 3, 4, 5, 13

## Special Conditions:

10/26/98 U 20 D

Page 1 of 1

FCC 834R  
March 1998

JOSEPH R. LORING & ASSOCIATES  
RECEIVED

OCT 29 1998

CONSULTING ENGINEERS

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

MEMORANDUM

TO: George Tabeek, Project Manager  
FROM: Paul W. Mitchell  
DATE: March 11, 1998  
SUBJECT: RADIATION SAFETY SURVEY OF WORLD TRADE DEPARTMENT  
ION MOBILITY SPECTROMETER INSTRUMENT - ONE WORLD  
TRADE CENTER

COPY TO: N. Chanfrau, M. Plaskon, P. Taylor

On December 16, 1997, staff of Risk Management's Environmental and Occupational Health Division conducted a Radiation Safety Survey of the Ion Mobility Spectrometer which is stored in the lobby of 1 WTC. The survey consisted of an inspection of the storage area, leak test sampling of the sealed source unit, and an evaluation of current procedures and practices followed by personnel using the instrument. As you will see on the attached report no deficiencies were identified during the survey.

During the survey, sampling for radiation leakage of the sealed source unit using the swipe sample method was performed. The sample was forwarded to Monitoring Services for analysis and the result was found to be acceptable. A copy of the report is attached.

The next radiation safety survey is scheduled for June, 1998.

If you require further information regarding this survey, or if you have any questions, please call me at (201) 216-2173.

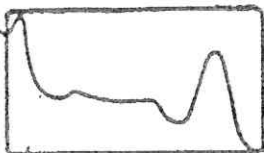


Paul W. Mitchell, CIH  
Manager  
Environmental and Occupational Health Division  
Risk Management

Attachments

# World Trade Department Radioactive Source Survey

EQUIPMENT	EQUIPMENT CONDITION	RADIATION MONITORING EQUIPMENT	RADIATION EMERGENCY OPERATING PROCEDURES MANUAL AVAILABLE	UNRESTRICTED IN SEPARATE LOCKED AREA
Barringer Ion Mobility Spectrometer, Model No. 400 (Serial No. 400-10A)	Acceptable	Yes	Yes	Yes



## Monitoring Services

P.O. BOX 600648 • HOUSTON, TEXAS 77261-0648 • AREA CODE 713/841-4361 • FAX 713/841-6153

## SEALED SOURCE LEAK TEST CERTIFICATE

PORT AUTHORITY OF NY & NJ  
241 ERIE STREET ROOM 306  
JERSEY CITY, NJ 07310  
ATTN OF: WILLIAM POCKELS

C FILE 2194S FILE 29436N FILE 1662

INVOICE NO \_\_\_\_\_ DATE \_\_\_\_\_

RADIONUCLIDE NI-63ACTIVITY 15 MCI CI SERIAL NO. 10AWIPE DATE 121697 WIPED BY \_\_\_\_\_EFF. .652GROSS CPM 25 BKG CPM 22 NET CPM 3

NET CPM \_\_\_\_\_ = MICROCURIE  
EFFX2.22X10<sup>6</sup> DPM/ $\mu$  CI

THE ABOVE SOURCE WIPE TEST HAS BEEN ASSAYED IN ACCORDANCE WITH OUR RADIOACTIVE MATERIAL LICENSE AND THE APPROPRIATE REGULATORY REQUIREMENTS. THE REGULATIONS DEFINE A LEAKING SOURCE AS ONE FROM WHICH AN APPROPRIATE WIPE TEST HAS REMOVED 0.005 MICROCURIE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS 2.07E-06 MICROCURIEASSAY NO. 010798 #3 DATE 01-07-1998ASSAYED BY *Paul T. [Signature]*

## APPENDIX A-5

Memorandum March 11, 1998  
Regarding Radiation Safety Survey, One WTC

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

MEMORANDUM

TO: George Tabeek, Project Manager  
FROM: Paul W. Mitchell  
DATE: March 11, 1998  
SUBJECT: RADIATION SAFETY SURVEY OF WORLD TRADE DEPARTMENT  
ION MOBILITY SPECTROMETER INSTRUMENT - ONE WORLD  
TRADE CENTER

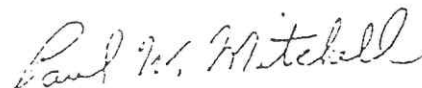
COPY TO: N. Chanfrau, M. Plaskon, P. Taylor

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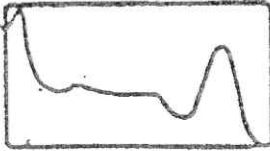
Paul W. Mitchell, CIH  
Manager  
Environmental and Occupational Health Division  
Risk Management

Attachments

# World Trade Department Radioactive Source Survey

IS THERE A SPECIAL SOURCE PROCEDURE	NEUTRON MONITORING AVAILABLE	RADIATION EMERGENCY OPERATING PROCEDURES MANUAL AVAILABLE	UNIT STORED IN SEPARATE LOCKED AREA
Barringer Ion Mobility Spectrometer, Model No. 400 (Serial No. 400-10A)	Acceptable	Yes	Yes





## Monitoring Services

PO BOX 8044 • HOUSTON, TEXAS 77266-0044 • AREA CODE 713/641-4261 • FAX 713/641-8153

## SEALED SOURCE LEAK TEST CERTIFICATE

PORT AUTHORITY OF NY & NJ  
241 ERIE STREET ROOM 306  
JERSEY CITY, NJ 07310  
ATTN OF: WILLIAM FOCKELS

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THE REMOVABLE ACTIVITY WAS 2.07E-06 MICROCURIEASSAY NO. 010798 43 DATE 01-07-1998ASSAYED BY Chad H. H. H.

## APPENDIX A-6

Richard Tell Associates, Inc., September 29, 1997,  
"An Evaluation of the Radiofrequency Environment  
at the WTC North Tower."