UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

before the

In the Matter of

0

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE, et al.

(Seabrook Station, Units 1 and 2)

Docket Nos. 50-443-0L-1 50-444-0L-1 (On-Site Emergency Planning and Safety Issues)

## AFFIDAVIT OF LAWRENCE M. JACOBSON

- I, Lawrence M. Jacobson, being on oath, depose and say as follows:
- 1. I am a Maintenance Supervisor at Seabrook Station.

  My supervisory responsibilities include maintenance of the

  New Hampshire and VANS sirens, since completion of the New

  Hampshire system's installation in late 1986. A statement of

  my professional qualifications is attached hereto and marked

  "A".
- 2. The design of the dual siren system rotation mechanism, control cabinets, siren horn assembly, and miscollaneous hardware, used in the VANS (with respect to cold weather operation and weather tightness) are the same as

or similar to the Whelen siren systems installed in

. The

purpose of my affidavit is to discuss the operating history

of the sirens as it relates

to snowy, icy and extreme cold weather conditions.

- 3. The rotation mechanism is in a weatherproof housing and is effective in keeping out rain and snow regardless of the operating position.
- 4. The Mass AG was informed by that weather conditions don't impede operation and that these alarms are all over the world including Alaska [see attachment marked "B"].
- 5. The maintenance program for the sirens located in is comprised of a bi-weekly silent operational check, a quarterly preventive maintenance examination, and an annual component inspection and alignment. The silent operational check exercises all siren functions including siren rotation.
- 6. Review of the siren maintenance records has identified no failures of the weather tightness design of the control cabinets, siren housing covering the drivers or the rotating mechanism. There have been no component failures attributable to cold weather operation or to the entry or accumulation of snow, ice, or water.
- 7. Given the performance of the siren systems installed in the , and exposed to the

elements over the past years, it is reasonable to expect that the dual siren system utilized by VANS will perform similarly well. That is, I do not expect operation of the dual siren system to be impeded by snowy, icy, or extreme cold weather conditions or by the accumulation of snow, ice, or sleet.

Lawrence M. Jacobson

## STATE OF NEW HAMPSHIRE

Rockingham, ss.

September /6, 1988

The above-subscribed Lawrence M. Jacobson appeared before me and made oath that he had read the foregoing affidavit and that the statements set forth therein are true to the best of his knowledge.

Before me,

Notary Public

My Commission Expires:

## Lawrence M. Jacobson Professional Qualification

I have over thirty years of maintenance experience on the emergency-plan sirens. I have over thirty years of maintenance experience dealing with electronic and electromechanical systems. The majority of these systems were portable and many were housed in weather tight containers.

## Work Experience

- 1983 to present Seabrook Station
- 1978 to 1983 Electro Rent Corporation
  Responsible for maintaining over 3 million dollars
  worth of rental measuring and test equipment rented
  throughout New England
- 1964 to 1978 United States Air Force
  Measuring and test equipment technician/supervisor
  working in Iceland, North Dakota, Crete, Greece and
  Colorado
- 1960 to 1964 United States Air Force Airborne radar/weapons control technician working in Alaska and Florida
- 1956 to 1960 United States Air Force Aircraft electrician working in Labrador and New Hampshire

Please note that I've worked where weather conditions are much more severe than in New Hampshire. I've operated and repaired many different systems in all types of weather and feel this gives me an excellent background for judging the weather protective ability of the Whelen siren system control cabinets.