



THE STATE OF TENNESSEE
TENNESSEE EMERGENCY MANAGEMENT AGENCY
EMERGENCY OPERATIONS CENTER
MILITARY DEPARTMENT OF TENNESSEE
3041 SIDCO DRIVE, P.O. BOX 41502
NASHVILLE, TENNESSEE 37204-1502
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May 28, 2009

Mr. Melvyn Leach
Director, Division of Preparedness and Response
Office of Nuclear Security and Incident Response
MS T3 B46M
USNRC
Washington DC 20555

RE: Request for Potassium Iodine (KI) for 2009 (223,237 Courses of 65 mg)

Dear Mr. Leach

The attached calculations determine the amount of Potassium Iodine (KI) the State of Tennessee needs to replenish stocks. Following discussion with the State of Tennessee's Department of Health and NRC's Patricia Milligan, we request the following issue of **223,237 Courses** (65 mg) for the Sequoyah and Watts Bar EPZs:

- Total for Population for the Sequoyah and Watts Bar EPZs = **220,272 Courses (4 tablets per packet) for (2) days**
- Total for Emergency Workers for the Sequoyah and Watts Bar EPZs = **2,965 Courses (4 tablets) per kit for (2) days**
- Total for Population and Emergency Workers = **223,237 Courses (4 tablets per packet) for (2) days**
- **TOTAL PILLS = 446,474**

NOTE: The total represents two (2) days for each person to receive by prescription orally. The dosage is by adult and children in whole 65 mg or by fraction of 65 mg. The request is for 65 mg ONLY! The following table applies:

Adult tablet per day – 2 x 65 mg = 130 mg per day

Children over 3 years to 18 - 1 tablet - 65 mg per day

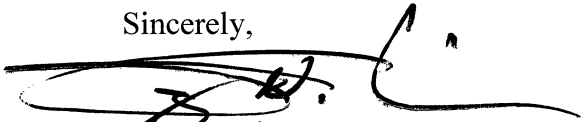
Infants over 1 month to 3 years - 1/2 tab - 32 mg per day

Newborns thru 1 month - 1/4 tab - 16 mg per day

The Health Department for the State of Tennessee believes following the above table with the availability of the requested quantities will ensure sufficient protection for the effected population and emergency workers responding to the nuclear incident.

Thank you for your continued support of the State of Tennessee. Our ability to protect the public, to include provision for KI as one additional protective action is very important to Tennessee's emergency response capability. We enjoy the benefits of safe nuclear power by your vigilance as a regulatory agency, TVA's commitment to a first rate safety record and FEMA's dedication to support Tennessee's off-site response.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gary N. Lima', with a long horizontal flourish extending to the right.

Gary N. Lima

Enclosure

Cc: NRC, Region IV

FEMA, Region IV

Mr. Joseph B. Phillips, Jr.

Potassium Iodine (KI) Requisition

Potassium Iodine (KI) at 65 mg per tablet to be prescribed as a whole tablet or in fractions. The courses will be stored at Department of Health facilities for the evacuated population in the 10-Mile EPZ and at designated locations by local government Emergency Management Agencies for Emergency Workers.

The following table provides the dosage levels:

Adult tablet per day - 2 x 65 mg = 130 mg per day

Children over 3 years to 18 - 1 tablet - 65 mg per day

Infants over 1 month to 3 years - 1/2 tab - 32 mg per day

Newborns thru 1 month - 1/4 tab - 16 mg per day

TEMPLATE A

CENSUS 2000

Total population in 10-Mile EPZ (Sequoyah:)

Bradley County:	5,856 x 4	=	23,424
Hamilton County:	<u>77,065 x 4</u>	=	<u>308,260</u>
Total	82,921 x 4	=	331,684

Total Population in 10-Mile EPZ (Watts Bar:)

McMinn County:	3,569 x 4	=	14,276
Meigs County:	9,015 x 4	=	36,060
Rhea County:	<u>14,631 x 4</u>	=	<u>58,524</u>
Total:	27,215 x 4	=	108,860

TEMPLATE B

Total for the Sequoyah and Watts Bar EPZs = 440,544 or 220,272 Courses (4) tablets per packet

NOTE: The total represents two (2) days for each person to receive prescription orally. The dosage is by adult and children in whole 65 mg or by fraction of 65 mg.

TEMPLATE C

Emergency Worker Kit requirements:

County/Agency (4 tablets) per kit for (2) days

Rhea	191
Meigs	176
McMinn	243
Cumberland	105

Roane	179
Hamilton	561
Bradley	253
Sequatchie	129
TWRA	20
TDOT	40
RIM&C	937
THP	95
USACOE	36

TOTAL 2,965 Courses (4 tablets) per kit for (2) days

TEMPLATE D

TOTAL for POPULATION AND EMERGENCY WORKERS

Population = 220,272 Courses

Emergency Workers = 2,965 Courses

TOTAL = 223,237 Courses (4 tablets per packet) @ 2 pills per day for adults for 2 days