

## North Carolina Department of Health and Human Services Division of Public Health

1931 Mail Service Center • Raleigh, North Carolina 27699-1931

Michael F. Easley, Governor Carmen Hooker Odom, Secretary Leah Devlin, DDS, MPH State Health Director

December 5, 2005

Mr. Nader Mamish
Director, Emergency Preparedness Directorate
Mail Stop O6-H2
US Nuclear Regulatory Commission
Washington, DC 20555

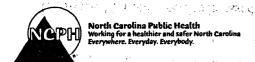
Dear Mr. Mamish:

In follow-up to your November 10, 2005 letter, we are writing to request 3500 one ounce bottles of ThyroShield (Pediatric Potassium Iodide Oral Solution) for stockpiling and distribution within the 10-mile Emergency Planning Zones (EPZ) of the four nuclear power plants in or adjacent to North Carolina.

The request for 3500 bottles is based on the following: We calculated the proportion of North Carolina's population age 0 to 10 years old to be 15% based on Year 2002 North Carolina Demographic Data. We then applied that percentage to the most recent nuclear power plant-specific 10-mile EPZ population estimates below and multiplied by two (two doses per individual 0-10 yrs) to determine the total number of doses. We then assumed 30 doses per 1 ounce bottle to arrive at 3500 bottles.

## 10-Mile Emergency Planning Zone (EPZ) Population (Data from Individual Plant Emergency Evacuation Studies)

NUCLEAR POWER FACILITY	PERMANENT EPZ POPULATION	TRANSIENT EPZ POPULATION
McGuire Power Station (Duke Power)	132,000	15,600
Brunswick Power Plant (Progress Energy)	27,348	119,706
Harris Power Plant (Progress Energy)	31,000° 24	10,000 as sinh.
Catawba Power Station (Duke Power-NC EPZ)	ne i de en et viñ lantick.	·
TOTAL EPZ POPULATION	207,628	153,990





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Combined EPZs (Perm + Trans)

363,618

Proportion Ages 0-10 yrs Population Ages 0-10 yrs

54,543

Two doses per child

x 2

105,186 doses

1 oz bottle=30 ml=65mg KI=30 (+) doses per bottle depending age of children Total request: 3500 one ounce bottles

The person designated to receive the potassium iodide for the State of North Carolina is Dr. Lou Turner. She may be reached via e-mail at <a href="lou.turner@ncmail.net">lou.turner@ncmail.net</a> and by phone at (919) 715-6734. Please contact Dr. Turner in advance to let us know roughly the date of delivery. The potassium iodide bottles should be shipped to the following address:

North Carolina Department of Health and Human Services Division of Public Health Bath Building 306 North Wilmington Street Raleigh, North Carolina 27611 Attn. Dr. Lou Turner

If you have any questions regarding this request please contact Dr. Turner. In her absence, contact either Dr. Greg Smith at (919) 715-8179 or Dr. Steve Cline at (919) 715-6733.

Thank you for providing pediatric potassium iodide solution to the State of North Carolina. Its distribution to specific target populations will supplement the primary preventive efforts of early warning, evacuation and sheltering in our state's emergency response plan.

Sincerely.

Leah Devlin, D.D.S, M.P.H.

State Health Director

Division of Public Health

NC Department of

Health and Human Services

Beverly O. Hall, Chief

Radiation Protection Section

Division of Environmental Health

NC Department of Environment

and Natural Resources

H. Douglas Hoell, Jr., Director

Division of Emergency Management

NC Department of Crime Control and Public Safety

Cc: J. Steven Cline, DDS, M.P.H., Chief, Epidemiology Section, Division of Public Health C. Gregory Smith, M.D., M.P.H, Medical Epidemiologist, Epidemiology Section Stephen Payne, REP Program Manager, Division of Emergency Management Lou F. Turner, Dr.P.H., Interim Public Health Preparedness Coordinator, OPHP&R