



Entergy Nuclear Generation Company
Pilgrim Nuclear Power Station
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J. F. Alexander
Director
Nuclear Assessment

ENV1.00-009
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NPDES Programs (SPA)
U.S. Environmental Protection Agency
P.O. Box 8127
Boston, MA 02114-8127

Massachusetts Department of
Environmental Protection
Southeast Regional Office
20 Riverside Drive
Lakeville, MA 02347

2000 MARINE FISHERIES MONITORING PROGRAMS AND PLANS

Gentlemen:

In accordance with NPDES Permit No. MA0003557 (Federal) and No. 359 (State) for Pilgrim Station, the 2000 Marine Fisheries Programs and Plans were submitted by Entergy Nuclear Generation Company for your approval on 12/27/99 and 2/14/00. This submittal is made in accordance with Part 1, Paragraph 8d, of the above-referenced permit and addresses the U.S. EPA, Region I, letter of 3/23/00 to Entergy regarding the addition of winter flounder area swept analysis to the 2000 monitoring as indicated below.

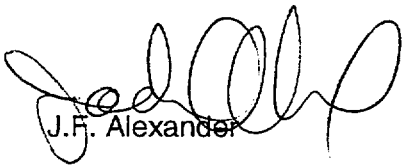
In addition to the marine environmental monitoring programs detailed in our letter of 12/27/99, the 2000 Marine Fisheries Program will include:

- Tagging, release, and tracking of juvenile winter flounder (~ 6 months old), provided by a hatchery to determine wild survivability in comparison with natural population.
- Use of historical winter flounder data as input parameters to various applied biological models to assess PNPS impact. The models to be used will include Production Foregone, Mixed, and Reproductive Potential.
- Winter flounder larvae field sampling studies and assessment in regards to winter flounder larvae entrained in relation to real-time abundance off PNPS. The area to be sampled will include the discharge canal and PNPS coastal waters to a depth of ~ 120'.

- Winter flounder area-swept population sampling and estimation to be conducted in April 2000 in a comparable manner to 1999 for valid inter-year comparisons of data. The area to be sampled will be the same as that studied by the Massachusetts DMF previously to a depth of ~ 120'.

If there are any questions concerning the attached programs and plans, please do not hesitate to call Mr. Robert Anderson (508-830-7935).

Sincerely,



J.F. Alexander

RDA/

cc: U. S. Nuclear Regulatory Commission ✓
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U.S. Nuclear Regulatory Commission
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