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Date: 05/19/2006 4:45:20 PM
Subject: Information re: Pilgrim LRA

I trust you all had a good return trip. Thanks for spending time with us yesterday, I felt it was very worthwhile.

I have enclosed 2 documents (WORD files) that you requested:

1. [item 298] List of reports in the series prepared by Mass. Division of Marine Fisheries (Bob Lawton et al.) relating to Pilgrim. These all have the heading Marine Environmental Monitoring Program (MEMP). I am planning to send report numbers 6,8,9+10 to you. The others (1,4,5+7) have already been provided.

2. Info on minor Fish impingement incidents in November/December 2005. Entergy is agreeable if you choose to docket this 'table'.

Also, I came across a reference on "Overfishing, Contamination, and Habitat Degradation" you may find interesting ...

[link = <http://massbay.mit.edu/publications/NEFishResources/index.html>].

Please feel free to contact me with any questions, concerns or recommendations.

Thanks,

Joe

J.W. Egan 508.830.8915

Environmental Protection Group

Entergy Nuclear - PILGRIM STATION

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Subject: Information re: Pilgrim LRA
Creation Date 05/19/2006 4:44:40 PM
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Files	Size	Date & Time
MESSAGE	1098	05/19/2006 4:44:40 PM
TEXT.htm	6252	
MEMP Rept-Series list.doc	31232	
PNPS Impg_ Nov-Dec '05.doc	32256	
Mime.822	97517	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No

Pre-Dec

MEMP #1 January 1986

FINAL REPORT ON DISSOLVED GAS SATURATION IN THE INSHORE
MARINE WATERS OF CAPE COD BAY AND INCIDENTS OF
GAS BUBBLE DISEASE AT PILGRIM NUCLEAR POWER STATION, 1973-1985

MEMP Reports 2+3 missing, subjects unknown.

MEMP #4 June 1990

FINAL REPORT ON SPAWNING SEA-RUN **RAINBOW SMELT** (*Osmerus mordax*)
IN THE JONES RIVER AND IMPACT ASSESSMENT
OF PILGRIM STATION ON THE POPULATION, 1979-1981

MEMP #5 December 1992

FINAL REPORT ON **IRISH MOSS** (*Chondrus crispus*) HARVESTING
ALONG THE PLYMOUTH SHORELINE AND IMPACT ASSESSMENT
OF PILGRIM STATION ON THE FISHERY, 1971-1982

MEMP #6 December 1992

FINAL REPORT ON **HAUL-SEINE SURVEY** AND IMPACT ASSESSMENT
OF PILGRIM STATION ON SHORE-ZONE FISHES, 1981-1991

MEMP #7 November 1995

FINAL REPORT ON **BOTTOM TRAWL SURVEY** (1970-1982)
AND IMPACT ASSESSMENT OF THE THERMAL DISCHARGE
FROM PILGRIM STATION ON GROUND FISH

MEMP #8 December 1999

FINAL REPORT ON **RAINBOW SMELT RESTORATION** EFFORTS
IN THE JONES RIVER, 1994-1999

MEMP #9 January 2000

FINAL REPORT – STUDIES (1990-1997) AND IMPACT ASSESSMENT
OF PILGRIM STATION ON **CUNNER** IN WESTERN CAPE COD BAY

MEMP #10 March 2000

FINAL REPORT – **WINTER FLOUNDER** STUDIES (1993-1999)
IN RELATION TO IMPACT ASSESSMENT OF PILGRIM STATION
ON THE LOCAL POPULATION

FISH IMPINGEMENT — Nov, Dec. 2005

5 Minor Incidents [1] Nov. 2-3 [2] Nov. 12 [3] Nov. 30-Dec. 1 [4] Dec. 10 [5] Dec. 14-15

Incident #1 11/2 – 11/3/05 (16.8 hours) Wed. pm

Estimated Number Impinged = **400**, predom. spec. – menhaden (YOY)
 Total Duration = 17 hours \geq 20/hr, Max. Rate = 28/hr [28, 23, 24, 8]
 Total No. Species [when rate elev.] = 4 No. Species \geq 20 per hour = 1

10 days later

Incident #2 11/12/05 (9.8 hours) Fri midn.

Estimated Number Impinged = **300**, predom. spec. – menhaden (YOY)
 Total Duration = 10 hours \geq 20/hr, Max. Rate = 29/hr [29, 29, 6]
 Total No. Species [when rate elev.] = 4 No. Species \geq 20 per hour = 1

18 days later

Incident #3 11/30 – 12/1/05 (10.9 hours) Wed. pm

Estimated Number Impinged = **300**, predom. spec. – blueback herring (YOY)
 Total Duration = 11 hours \geq 20/hr, Max. Rate = 40/hr [40, 10, 20, 12]
 Total No. Species [when rate elev.] = 9 No. Species \geq 20 per hour = 1

10 days later

Incident #4 12/10/05 (5.2 hours) Fri midn.

Estimated Number Impinged = **110**, predom. spec. – cunner, str. killifish
 Total Duration = 5 hours \geq 20/hr, Max. Rate = 21.3/hr [21, 5]
 Total No. Species [when rate elev.] = 8 No. Species \geq 20 per hour = 0

4 days later

Incident #5 12/14 – 12/15/05 (15 hours) Wed. pm

Estimated Number Impinged = **500**, predom. spec. – Atl. silverside
 Total Duration = 15 hours \geq 20/hr, Max. Rate = 37/hr [37, 32, 5]
 Total No. Species [when rate elev.] = 9 No. Species \geq 20 per hour = 1