

May 12, 2010 (9:00a.m.)

OFFICE OF SECRETARY
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ADJUDICATIONS STAFF



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May 5, 2010

By Federal Express

Mrs. Mary Lampert
Pilgrim Watch
148 Washington Street
Duxbury, MA 02332

In the Matter of
Entergy Nuclear Operations Inc. and Entergy Nuclear Generation Co.
Pilgrim Nuclear Power Station
Docket Nos. 50-293-LR; ASLBP No. 06-848-02-LR

Dear Mrs. Lampert:

As requested by your May 3, 2010 Request for Information, I am enclosing a CD with the machine-readable MACCS2 input and output files for (1) the SAMA analysis originally presented in Appendix E of the Environmental Report (base and two sensitivity cases); (2) the revised analysis performed in response to an NRC request for additional information (base and two sensitivity cases); and (3) the MACCS2 Sensitivity Cases 2 and 3 that were presented in the WSMS Report, "Radiological Dispersion and Consequences Analysis Supporting Pilgrim Nuclear Power Station Severe Accident Mitigation Analysis" (Rev. 1, May 2007), to consider the effects of changing wind direction and plume height. The enclosed CD contains a separate folder labeled for each of these three analyses. We have also included on the CD an index to the files.

With respect to the third item in your Request for Information, PNPS Calculation S&SA-170 Rev. 1, which was produced in Entergy's Initial Disclosures (Nov. 15, 2006) and may be found at Bates Nos. PILLR00024864-PILLR00025091, describes how the input data was derived.

With respect to the last item in your Request for Information, the meteorological file used in the MACCS2, PNPS Calculation S&SA-170 Rev. 1 identified above explains how the meteorological data file was prepared. The data file was prepared using the

May 5, 2010
Page 2

archived hourly values (not 15-minute data) for wind speed, wind direction, and atmospheric stability which was collected per Regulatory Guide 1.23

Sincerely yours,

A handwritten signature in black ink, appearing to read "D. R. Lewis", with a long horizontal flourish extending to the right.

David R. Lewis
Counsel for Entergy

cc: S. Uttal (w/ enclosure)
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Index: MACCS2 Input / Output Files, Pilgrim Nuclear Power Station

File Name	Description	Case*	Phase
atmbp1.inp	ATMOS Input File	B/S1/S2	Original submittal
chrbp1.inp	CHRONC Input File	B/S1/S2	Original submittal
conbp.out	Output File	B	Original submittal
conse.out	Output File	S1	Original submittal
consls.out	Output File	S2	Original submittal
earbp1.inp	EARLY Input File	B	Original submittal
earse1.inp	EARLY Input File	S1	Original submittal
earsls.inp	EARLY Input File	S2	Original submittal
met01p.inp	Met Data Input File	B/S1/S2	Original submittal
sitep.inp	Site Data Input File	B/S1/S2	Original submittal
atmbp1Q.inp	ATMOS Input File	B/S1/S2	Reanalysis
chrbp1.inp	CHRONC Input File	B/S1/S2	Reanalysis
conbp1Q.OUT	Output File	B	Reanalysis
cons1pQ.OUT	Output File	S1	Reanalysis
cons2pQ.OUT	Output File	S2	Reanalysis
earbp1.inp	EARLY Input File	B	Reanalysis
ears1p.inp	EARLY Input File	S1	Reanalysis
ears2p.inp	EARLY Input File	S2	Reanalysis
met01p.inp	Met Data Input File	B/S1/S2	Reanalysis
sitep.inp	Site Data Input File	B/S1/S2	Reanalysis
atmbp1Q.inp	ATMOS Input File	S2-1	WSMS
chrbp1.inp	CHRONC Input File	S2-1	WSMS
cons-2.OUT	Output File	S2-1	WSMS
earbp1.inp	EARLY Input File	S2-1	WSMS
met01p.inp	Met Data Input File	S2-1	WSMS
Sitep.inp	Site Data Input File	S2-1	WSMS
atmbp1Q.inp	ATMOS Input File	S2-2	WSMS
chrbp1.inp	CHRONC Input File	S2-2	WSMS
con2-2.OUT	Output File	S2-2	WSMS
earbp1.inp	EARLY Input File	S2-2	WSMS
met01p.inp	Met Data Input File	S2-2	WSMS
Sitep.inp	Site Data Input File	S2-2	WSMS
atmbp1Q.inp	ATMOS Input File	S2-3	WSMS
chrbp2.inp	CHRONC Input File	S2-3	WSMS
con2-3.OUT	Output File	S2-3	WSMS
earbp1.inp	EARLY Input File	S2-3	WSMS
met01.inp	Met Data Input File	S2-3	WSMS
Sitep.inp	Site Data Input File	S2-3	WSMS
atmbp1Q.inp	ATMOS Input File	S2-4	WSMS
chrbp1.inp	CHRONC Input File	S2-4	WSMS
con2-4.OUT	Output File	S2-4	WSMS
earbp1.inp	EARLY Input File	S2-4	WSMS

File Name	Description	Case*	Phase
met01p.inp	Met Data Input File	S2-4	WSMS
Sitep.inp	Site Data Input File	S2-4	WSMS
atmbp1Q.inp	ATMOS Input File	S2-5	WSMS
chrbp1.inp	CHRONC Input File	S2-5	WSMS
con2-5.OUT	Output File	S2-5	WSMS
earbp1.inp	EARLY Input File	S2-5	WSMS
met01p.inp	Met Data Input File	S2-5	WSMS
Sitep.inp	Site Data Input File	S2-5	WSMS
atmbp1Q.inp	ATMOS Input File	S2-6	WSMS
chrbp1.inp	CHRONC Input File	S2-6	WSMS
con2-6.OUT	Output File	S2-6	WSMS
earbp1.inp	EARLY Input File	S2-6	WSMS
met01p.inp	Met Data Input File	S2-6	WSMS
Sitep.inp	Site Data Input File	S2-6	WSMS
atmbp1Q.inp	ATMOS Input File	S2-7	WSMS
chrbp1.inp	CHRONC Input File	S2-7	WSMS
con2-7.OUT	Output File	S2-7	WSMS
earbp1.inp	EARLY Input File	S2-7	WSMS
met01p.inp	Met Data Input File	S2-7	WSMS
Sitep.inp	Site Data Input File	S2-7	WSMS
atmbp1Q.inp	ATMOS Input File	S3-1	WSMS
chrbp1.inp	CHRONC Input File	S3-1	WSMS
con3-1.OUT	Output File	S3-1	WSMS
earbp1.inp	EARLY Input File	S3-1	WSMS
met01p.inp	Met Data Input File	S3-1	WSMS
Sitep.inp	Site Data Input File	S3-1	WSMS
atmbp1Q.inp	ATMOS Input File	S3-2	WSMS
chrbp1.inp	CHRONC Input File	S3-2	WSMS
con3-2.OUT	Output File	S3-2	WSMS
earbp1.inp	EARLY Input File	S3-2	WSMS
met01p.inp	Met Data Input File	S3-2	WSMS
Sitep.inp	Site Data Input File	S3-2	WSMS

* B = Base Case, S[#] = Sensitivity Case [#]. Cases 2.5 and 2.6 comprise sensitivity case 2 as reported in the WSMS report. Cases 3.1 and 3.2 comprise sensitivity case 3 as reported in the WSMS report.