

NP-11-0032
October 24, 2011

10 CFR 52, Subpart A

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Exelon Nuclear Texas Holdings, LLC
Victoria County Station
Early Site Permit Application
Transmittal of Environmental Report Computer Program Files
Docket No. 52-042

- References:**
- (1) Exelon Nuclear Texas Holdings, LLC letter to USNRC, Application for Early Site Permit for Victoria County Station, dated March 25, 2010
 - (2) Exelon Nuclear Texas Holdings, LLC letter to USNRC, Response to Request for Additional Information Letter No. 2, dated January 11, 2011
 - (3) Exelon Nuclear Texas Holdings, LLC letter to USNRC, Response to Request for Additional Information Letter No. 10, dated June 23, 2011
 - (4) Exelon Nuclear Texas Holdings, LLC letter to USNRC, Response to Request for Additional Information Letter No. 8, dated May 18, 2011

Exelon Nuclear Texas Holdings, LLC (Exelon) submitted an application for an early site permit (ESP) in Reference 1 for the Victoria County Station (VCS) site. That submittal consisted of six parts as described in the referenced letter.

In support of the NRC's review of ESP application Part 3, Environmental Report (ER), Exelon is transmitting input and output files for the following computer programs used in ER evaluations:

TRAGIS
RADTRAN
SACTI
CORMIX
MACCS2
PAVAN
XOQDOQ
LADTAP II
GASPAR II

DOBT
NRC

The compact disc (CD) provided as Enclosure 1 contains pdf files with TRAGIS and RADTRAN input and output data. Enclosure 1 also provides electronic input and output files for the SACTI, CORMIX, MACCS2, PAVAN, XOQDOQ, LADTAP II, and GASPAR II computer codes. Enclosure 1 includes input and output SACTI files for the mechanical draft cooling tower and natural draft cooling tower model runs supporting ER sections 5.3 and 9.4, respectively.

Note that the PAVAN and XOQDOQ input and output files were previously provided to the NRC in response to Site Safety Analysis Report (SSAR) Request for Additional Information (RAI) numbers 2.03.04-3 and 2.03.05-1, respectively (Reference 2).

Note also that the input and output files for the LADTAP II and GASPAR II computer codes were previously transmitted to the NRC in response to SSAR RAI numbers 11.02-5 and 11.03-2, respectively. The referenced electronic files, as well as proprietary and non-proprietary (i.e., public) versions of the accompanying calculation packages, were submitted to the NRC in Reference 3.

In addition to the aforementioned computer code files, Enclosure 1 contains VCS site hourly meteorological data for the period July 1, 2007, to June 30, 2009. These data were previously provided in response to SSAR RAI number 2.03.02-1 (Reference 4).

No regulatory commitments are established in this submittal.

If additional information is required, please contact Joshua Trembley at (610) 765-5345.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 24th day of October, 2011.

Respectfully,



Marilyn C. Kray
Vice President, Nuclear Project Development

Enclosures: (1) CD titled "VCS Environmental Report Computer Program Files and Hourly Meteorological Data (Revised NRC Format File)"

cc: USNRC, Director, Office of New Reactors/NRLPO (without enclosures)
USNRC, Project Manager, VCS, Division of New Reactor Licensing (without enclosures)
USNRC, Environmental Project Manager, VCS, Division of New Reactor Licensing (w/ enclosures)
USNRC Region IV, Regional Administrator (without enclosures)

ENCLOSURE 1

CD titled "VCS Environmental Report Computer Program Files and Hourly Meteorological Data (Revised NRC Format File)"

CD contents:

TRAGIS and RADTRAN PDF Files

**SACTI, CORMIX, MACCS2, PAVAN, XOQDOQ, LADTAP II, and GASPAR II
Electronic Input and Output files**

**VCS Site Hourly Meteorological Data for the Period July 1, 2007, to
June 30, 2009 (Revised NRC Format File)**

ENCLOSURE 1 - RADTRAN and TRAGIS PDF Files

8 Files

ABWR RADTRAN.pdf

ABWR TRAGIS.pdf

APWR RADTRAN.pdf

APWR TRAGIS.pdf

AP1000 RADTRAN.pdf

AP1000 TRAGIS.pdf

ESBWR RADTRAN.pdf

ESBWR TRAGIS.pdf

NOTE: In some cases, the RADTRAN and TRAGIS files refer to names used for the preferred and alternative sites prior to submittal of the VCS ESPA. The following table is provided to clarify the site names.

VCS ESPA Site Name	RADTRAN / TRAGIS Site Name
Victoria County Station (VCS)	McCan
Matagorda County	Green
Buckeye	Buckeye
Alpha	Allens Creek
Bravo	Malakoff

ENCLOSURE 1 - SACTI Electronic Input and Output Files

6 Files – Mechanical Draft Cooling Tower Evaluation Presented in ER Section 5.3

MULT.USR
PREP.USR
TABLES.USR
CD144.TAP
MIXHT.TAP
TABLES.OUT

6 Files – Natural Draft Cooling Tower Evaluation Presented in ER Section 9.4

MULT.USR
PREP.USR
TABLES.USR
CD144.TAP
MIXHT.TAP
TABLES.OUT

ENCLOSURE 1 - CORMIX Electronic Input and Output Files

28 Files

40-7009.cmx
40-8960.cmx
40D4460.cmx
40D7009.cmx
7A-7009.cmx
7A-8960.cmx
7B-7009.cmx
7B-8960.cmx
7C-7009.cmx
7C-8960.cmx
7D4460.cmx
7D7009.cmx
7Q-7009.cmx
7Q-8960.cmx
40-7009.prd
40-8960.prd
40D4460.prd
40D7009.prd
7A-7009.prd
7A-8960.prd
7B-7009.prd
7B-8960.prd
7C-7009.prd
7C-8960.prd
7D4460.prd
7D7009.prd
7Q-7009.prd
7Q-8960.prd

ENCLOSURE 1 - MACCS2 Electronic Input and Output Files

57 Files

CD Folder Name	Filename	
ECON (2 files)	EXEL.CHR	PRN2SIT.OUT
EVAC (1 file)	EXEL.ERL	
INPUT (14 files)	EXAB.ATM EXABGRND.ATM EXABMOC.ATM EXABNORN.ATM EXES.ATM EXES01MW.ATM EXES10MW.ATM	EXESMOC.ATM EXESNORN.ATM EXESTOC.ATM EXTOC1MW.ATM EXEL.CHR EXEL.ERL ATMOS.INP
MET (8 files)	V0708.MET V0809.MET VICTAP03.MET VICTAP04.MET	VICTAP05.MET VICTAP06.MET VICTAP07.MET VICTAP78.MET
MET / AIRPORT (2 files)	PCRAMMET.INP	EDITMET.OUT
OUTPUT (27 files)	EXAB03.OUT EXAB04.OUT EXAB05.OUT EXAB06.OUT EXAB07.OUT EXAB0708.OUT EXAB0809.OUT EXAB78.OUT EXABGRND.OUT EXABMOC.OUT EXABNORN.OUT EXES01MW.OUT EXES03.OUT EXES04.OUT	EXES05.OUT EXES06.OUT EXES07.OUT EXES0708.OUT EXES0809.OUT EXES10MW.OUT EXES78.OUT EXESMOC.OUT EXESNORN.OUT EXESTOC.OUT EXTOC1MW.OUT R2AB0809.OUT R2ES0809.OUT
POP (3 files)	EX2060R1.SIT EX2060R2.SIT	EXSECP.SIT

ENCLOSURE 1 - PAVAN Electronic Input and Output Files

2 Files

VCSPAVAN.in
VCSPAVAN.OUT

ENCLOSURE 1 - XOQDOQ Electronic Input and Output Files

2 Files

25352-000-HOC-00004-Rev0.input
25352-000-HOC-00004-Rev0.output

ENCLOSURE 1 – LADTAP II Electronic Input and Output Files

2 Files

Liquid.dat
Liquid.out

ENCLOSURE 1 – GASPAR II Electronic Input and Output Files

7 Files

Gas1.dat
Gas1.out
Gas2.dat
Gas2.out
Gas3.dat
Gas3.out
Gas_XOQ.dat

**ENCLOSURE 1 - VCS Site Hourly Meteorological Data for the Period
July 1, 2007, to June 30, 2009 (Revised NRC Format File)**

1 File

Revised vict_NRC - Hourly data - 7.1.07 - 6.30.09.txt