

ENCLOSURE 1

**LICENSE AMENDMENT REQUEST 244:
PROPOSED REVISION TO RADIOLOGICAL ACCIDENT ANALYSIS AND CONTROL
ROOM ENVELOPE HABITABILITY TECHNICAL SPECIFICATIONS**

DATA FILES

**KEWAUNEE POWER STATION METEOROLOGICAL DATA
2002 – 2006
X/Q CALCULATION SUPPORT**

**KEWAUNEE POWER STATION
DOMINION ENERGY KEWAUNEE, INC.**

DATA FILES:
KEWAUNEE POWER STATION METEOROLOGICAL DATA 2002 – 2006 X/Q
CALCULATION SUPPORT COMPACT DISC (CD-ROM)

Data File Description and File Structure

1. Base Met Data

<u>File</u>	<u>Description</u>
BaseMetData.txt	2002-2006 Base Met Data

Base Met Data File Structure			
Name	Columns	Format	Missing Data
Year	1-4	Numeric 4 [YYYY](2002-2006)	-
Day of the Year	6-8	Numeric 3 [DDD](001-366)	-
Hour of the Day	10-11	Numeric 2 [HH](00-23)	-
Lower Wind Direction*	13-15	Numeric 3 (1-360°TN)	999
Lower Wind Speed**	17-20	Numeric 4.1 (ex 10.1 m/s)	9999
Stability Class	22-23	Alpha 2 (A-G, right justified)	99
Upper Wind Direction*	25-27	Numeric 3 (1-360°TN)	999
Upper Wind Speed**	29-32	Numeric 4.1 (ex 10.1 m/s)	9999

* "From" Wind Direction

** Lower level (10m); Upper level (60m)

2. PAVAND

<u>File</u>	<u>Description</u>
PAVANDInput.txt	PAVAND Input File
PAVANDInputs.pdf	PAVAND Inputs (description/explanation)
PAVANDMetData.pdf	2002-2006 Met Data Joint Frequency Distribution - PAVAND Input (inputted manually)
PAVANDOutput.pdf	PAVAND Output File (paginated)
PAVANDOutput.txt	PAVAND Output File

3. ARCON96

File

ARCON96MetData.txt

Description

2002-2006 Met Data – ARCON96 Input (same as KWWQ02_06.MET in RSF & LOG files below)

ARCON96 Met Data File Structure			
Name	Columns	Format	Missing Data
Year	6-9	Numeric 4 [YYYY](2002-2006)	-
Day of the Year	10-12	Numeric 3 [DDD](001-366)	-
Hour of the Day	13-14	Numeric 2 [HH](00-23)	-
Lower Wind Direction*	17-19	Numeric 3 (1-360°TN)	999
Lower Wind Speed**	20-23	Numeric 4 (ex 101 .1m/s)	9999
Stability Class	25-26	Numeric 2 (1-7, 1=A, 2=B...)	99
Upper Wind Direction*	29-31	Numeric 3 (1-360°TN)	999
Upper Wind Speed**	32-35	Numeric 4 (ex 101 .1m/s)	9999

* “From” Wind Direction

** Lower level (10m); Upper level (60m)

ARCON96 RSF & LOG Files		
Source	Control Room Intake	Isolated CR Worst Inleakage
Reactor Building Stack Exhaust	KWCEXNCR	KWCEXTLW
Containment/Shield Building	KWCNTNCR	KWCNTTLW
Auxiliary Building Stack Exhaust	KWAUXNCR	KWAUXTLE, KWAUXTLW*
Containment Equipment Hatch	KWEQHNCR	KWEQHTLW
Fuel Area Roll-Up Door	KWAR2NCR ⁺	KWAR2TLW
“A” Steam Generator PORV	KWAPVNCR ⁺	KWAPVTLW
“B” Steam Generator PORV	KWBPVNCR ⁺	KWBPVTLW

* Max 8-24hr X/Q was taken from KWAUXTLW; other Max period X/Qs were taken from KWAUXTLE

+ CFD & LOG file names in RSF & LOG files do not match names above due to renaming afterwards