Appendix 2A ARCON96 Source/Receptor Inp	outs
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This section of the referenced DCD is incorporated by reference with the following departures and/or supplements.

	2A.2.1	Meteorological Data	
	Add the following as the last sentence of this section.		
EF3COL 2A.2-1-A	Instrumentation heights used in the analysis are described in Subsection 2.3.3.1.1 Meteorological data from 2001 through 2007 and 1985 through 1989 is used in the analysis.		
	2A.2.3	ARCON96 ESBWR Inputs	
	Replace th	he last sentence of the first paragraph with the following.	
EF3COL 2A.2-1-A	19 degree Fermi 3 pl	ections are adjusted by the difference in angle (approximately es counterclockwise) between the true north and the ant north; Fermi 3 receptor to source directions are shown in 4R analysis.	
	2A.2.4	Confirmation of the ESBWR χ Q Values	
	Replace th	his section with the following.	
EF3COL 2A.2-1-A	DCD Figure 2A-1 shows the locations of the sources and receptors for ESBWR control room determinations, also used in the Fermi 3 evaluations. The dimensions of the diffuse source planes provided in DCD Table 2A-3 are determined as directed by RG 1.194, Regulatory Position 3.2.4.5, for the nearest receptor locations. ARCON96 calculations are performed for source/receptor pairs listed in DCD Table 2A-3 and Table 2A-4R using site-specific meteorological data. Results of the site-specific analysis are provided in Table 2.3-301 and Table 2.3-302 and Table 2.3-378 and Table 2.3-379.		
	2A.2.5	Confirmation of the Reactor Building $^{\chi}\!/\!Q$ Values	
	Replace th	his section with the following.	

During movement of irradiated fuel, doors or personnel air locks on the east sides of the Reactor Building or Fuel Building could act as a point source that could result in control room χ/Q values that are higher than the ESBWR χ/Q values for a release in the Reactor Building or Fuel Building. Therefore, the doors and personnel air locks on the east sides of the Reactor Building and Fuel Building are administratively controlled to remain closed during movement of irradiated fuel.

	2A.3	COL Information
EF3 COL 2A.2-1-A	2A.2-1-AConfirmation of the ESBWR λ/Q ValuesThis COL item is addressed in Subsection 2.3.4.3 and in Subsection 2A.2.4.	
EF3 COL 2A.2-2-A	2A.2-2-A This COL iter	Confirmation of the Reactor Building χ Q Values m is addressed in Subsection 2A.2.5.

Table 2A-4R	ARCON 96 Input-Recptor to Source Directi	on [EF3 COL 2A.2-1-A]
SourcelReceptor	Receptor to Source Direction {deg.}	
RB to CBL	289	
RB to EN	279	
RB to ES	299	
RB to N	303	
RB to TSCB	231	
RB to TSCA	235	
PCCS to CBL	328	
PCCS to EN	304	
PCCS to ES	323	
PCCS to N	327	
PCCS to TSCB	233	
PCCS to TSCA	236	
TB to CBL	2	
TB to EN	343	
TB to ES	350	
TB to N	355	
TB to TSCB	251	
TB to TSCA	255	
TB-TDto CBL	360	
TB-TDto EN	350	
TB-TD to TSCB	296	
FB to CBL	247	
FBto EN	253	
FB to ES	267	
FBtoN	271	
RWtoN	323	
RB-VS to CBL	266	
RB-VS to ES	280	
RB-VS to N	281	
TB-VS to CBL	15	
TB-VS to EN	360	
TB-VS to N	7	
RW-VS to CBL	321	
RW-VS to EN	309	
RW-VS to N	323	
BPNto CBL	341	
BPN to EN	304	
BPNto ES	325	

Table 2A-4R SourcelReceptor	ARCON 96 Input-Recptor to Source Direction Receptor to Source Direction {deg.}	[EF3 COL 2A.2-1-A]
BPNto N	334	
BPS to CBL	238	
BPS to EN	248	
BPS to ES	274	
BPS to N	278	
Fermi 3 to Fermi 2	48	
Fermi 2 to Fermi 3	228	