

**LaSalle Environmental Audit
Response to Request for Additional Information**

Index #: 006 **RAI #:** MA-06 **Category:** Meteorology, Air Quality & Noise

Statement of Question:

Section 4.2 of the ER states that “[a]ir quality effects of transmission lines were not evaluated because, as is explained in Section 2.2.6 of the ER, no LSCS transmission lines are within the scope of the LSCS license renewal environmental review.” Section 2.2.6 of the ER discusses that the offsite transmission lines are not in scope in accordance with footnote 4 of Table B–1 of 10 CFR Part 51, Subpart A. However, Section 2.2.6 does not identify the in-scope transmission lines, which as defined in footnote 4 of Table B–1 are “transmission lines that connect the nuclear power plant to the substation where electricity is fed into the regional power distribution.” Section 2.2.6 of the ER identifies electrical connections between the main plant and the LSCS switchyard. Therefore, the Category 1 issue, “Air Quality effects of transmission lines” is applicable to LSCS. Provide an evaluation of any new and significant information that pertains to the Category 1 issue, “Air Quality effects of transmission lines” for those inscope transmission lines that connect the nuclear power plant to the on-site LSCS switchyard.

Response:

In the Generic Environmental Impact Statement (GEIS; NUREG-1437, Revision 1) for renewal of nuclear power plant licenses, the NRC concluded that ozone concentrations generated by transmission lines are too low to cause any significant effects, and that the minute amounts of oxides of nitrogen produced by transmission lines are similarly insignificant. Exelon Generation identified no operational or design features of the electrical connections between the main plant and the LSCS onsite switchyard that are different from those assumed by the NRC for purposes of its evaluation in the GEIS. Accordingly, Exelon Generation concluded that no new and significant information that would alter the conclusions of the GEIS with respect to air quality impacts from transmission lines exists for LSCS.

List of Attachments:

None.