

Substation Subgroup Document comments – received via email from Ameren

Additional comment on section "Above Grade Physical":

We use NESC clearances per table 124-1 for our substations clearances and for above roadways clearances we use table 232-1. We do not use OSHA clearances. I asked our safety group to provide the OSHA requirements and they are stated below. Please asked others on the subgroup for input if they use OSHA clearances.

1910.333(c)(3)(i)(A)

When an unqualified person is working in an elevated position near overhead lines, the location shall be such that the person and the longest conductive object he or she may contact cannot come closer to any unguarded, energized overhead line than the following distances.

1910.333(c)(3)(i)(A)(1)

For voltages to ground 50kV or below - 10 feet (305 cm);

1910.333(c)(3)(i)(A)(2)

For voltages to ground over 50kV - 10 feet (305 cm) plus 4 inches (10 cm) for every 10kV over 50kV.

1910.333(c)(3)(i)(B)

When an unqualified person is working on the ground in the vicinity of overhead lines, the person may not bring any conductive object closer to unguarded, energized overhead lines than the distances given in paragraph (c)(3)(i)(A) of this section.