

**Table 1.8-2—U.S. EPR Combined License Information Items
Sheet 7 of 40**

Item No.	Description	Section
2.5-7	A COL applicant that references the U.S. EPR design certification will verify that the predicted differential tilt settlement value of ½ in per 50 ft in any direction across the foundation basemat of a Seismic Category I structure is not exceeded. Settlement values larger than this may be demonstrated acceptable by performing additional site-specific evaluations.	2.5.4.10.2
2.5-8	A COL applicant that references the U.S. EPR design certification will evaluate site-specific information concerning the stability of earth and rock slopes, both natural and manmade (e.g., cuts, fill, embankments, dams, etc.), of which failure could adversely affect the safety of the plant.	2.5.5
2.5-9	A COL applicant that references the U.S. EPR design certification will reconcile the site-specific soil <u>and backfill</u> properties with those used for design of U.S. EPR Seismic Category I structures and foundations described in Section 3.8.	2.5.4.2
2.5-10	<div data-bbox="105 793 289 842" style="border: 1px solid black; padding: 2px;">03.08.05-25</div> <p>A COL applicant that references the U.S. EPR design certification will investigate and determine the uniformity of the underlying layers of site specific soil conditions beneath the foundation basemats. The classification of uniformity or non-uniformity will be established by a geotechnical engineer. A COL applicant that references the U.S. EPR design certification will investigate and determine the uniformity of the soil layer(s) underlying the foundation basemats of Seismic Category I structures. Horizontal variation in the seismic shear wave velocities should be no more than +10 percent of the average velocity in any layer under a Seismic Category I structure to be considered laterally uniform. Otherwise, the classification of uniformity or non-uniformity will be established by a geotechnical engineer.</p>	2.5.4.10.3
2.5-11	Deleted	Deleted
2.5-12	<u>A COL applicant that references the U.S. EPR design certification will provide an assessment of predicted settlement values across the basemat of Seismic Category I structures during and post construction. The assessment will address both short term (elastic) and long term (heave and consolidation) settlement effects with the site-specific soil parameters, including the soil loading effects from adjacent structures.</u>	<u>2.5.4.10.2</u>
3.1-1	A COL applicant that references the U.S. EPR design certification will identify the site-specific QA Program Plan that demonstrates compliance with GDC-1.	3.1.1.1.1
3.2-1	A COL applicant that references the U.S. EPR design certification will identify the seismic classification of applicable site-specific SSC that are not identified in Table 3.2.2-1.	3.2.1