SUBSECTION 2.5.6
COMBINED LICENSE INFORMATION FOR EMBANKMENTS AND DAMS

TABLE OF CONTENTS

2.5.6 COMBINED LICENSE INFORMATION FOR EMBANKMENTS AND DAMS

Add the following text to the end of Subsection 2.5.6.

VCS COL 2.5 -15

Figure 2.5.4-245 shows the combined power block and cooling tower area positioned on a roughly triangular-shaped cut and filled area that is approximately 2,800 feet x 5,400 feet in maximum plan dimensions. This area is discussed in Subsection 2.5.5.1.1. The ground slopes away from the perimeter of the area except toward Unit 1, (*i.e.,* the power block area is generally higher than its immediate surroundings) (see Figure 2.5.4-245). Thus, there are no dams or embankments required to protect this area. There are no water bodies within or adjacent to the power block area that would require dams or embankments. There are several run-off basins at low spots around the site. These are excavated ponds and thus any failure would involve internal collapse with no adverse effect on safety-related structures. Where these basins are near the edge of external slopes, any failure of the slope would send water away from the plant.

Subsections 2.4.3 and 2.4.4 discuss the maximum flood elevation of the Parr Reservoir due to the probable maximum flood and the failure of upstream dams on the Broad River. The resulting maximum flood elevations are considerably lower than the design plant grade elevation of 400 feet. In addition, Subsection 2.4.3 demonstrates that under maximum wind setup and wave run-up in the Monticello Reservoir, flooding protection measures for Unit 1 and natural swales between the Monticello Reservoir and Units 2 and 3 will prevent flooding. Therefore, no dams or embankments are necessary for flood protection of Units 2 and 3.