

Tailings disposal operations could commence after the stage 1 cell and earth dam construction was completed. Dam No. 2 would be constructed of cycloned tailings during disposal operations in Cell 3. This tailings dam could be constructed by either the downstream method or by the centerline method. Typical tailings dam sections for the downstream and centerline methods are shown on Figures 3 and 4, respectively. While disposal operations were underway in Cell 3, Cell 2 excavation would be completed. When Cell 3 was filled with tailings, disposal of tailings in Cell 2 would commence with the construction of Dam No. 1 and the concurrent excavation of Cell 1. Disposal into Cell 2 should take place from both Dam No. 2 and Dam No. 1. This procedure is required to provide a beach on the face of Dam No. 2. When disposal is completed in Cell 2, the remaining tailings would be sluiced into Cell 1. Operational freeboard would be provided in each of the cells with sufficient freeboard maintained in Cell 3 to provide storage for the NRC specified PMF series for the area within the diversion facilities.

Ultimately, each cell would be provided with a minimum of 10 feet of cover and the exposed embankment slopes would be flattened to 6:1 (horizontal to vertical) as in the other multi-cell alternatives. Post operational spillways would be provided for all of the cells to prevent extreme flood flows from overtopping the reclaimed embankments.

The significant quantitative data for this alternative is summarized in Table 1. As shown in the table, there is a storage capacity for approximately 11,520 acre-feet of tailings, including the tailings in the two tailings embankments. This provides an excess of approximately 720 acre-feet of tailings storage. Adjustment of the excavation depths could be accomplished to provide the required tailings storage. This alternative would provide for disposal of approximately 56 percent of the tailings below the existing ground level. The reclamation and cell lining quantities shown are estimates based on the quantities required for Alternative 2. Cost for labor, cyclones, tailings distribution pipelines, other ancillary equipment, maintenance on equipment or any other costs associated with the construction of the tailings embankments is not included in the projected total of approximately \$30 million.