

2.0 GENERAL FACILITY ARRANGEMENTS

In general, the Project will involve the following facilities and processes:

- Open pit mine
- Waste rock storage facility designed to accommodate over 1.2 billion tons of waste rock
- Dry stack tailings facility designed to accommodate about 500 million tons of material
- Heap leach facility designed to accommodate approximately 50 million tons of material
- Milling facilities as well as maintenance/shops, etc.
- Solvent extraction/electrowinning facilities, including solution ponds

Both milling and leaching operations will be conducted at the site. An alternatives analysis was performed to select the best possible location for the leach pad and the tailings storage facilities. This analysis also included a study on disposal alternatives for the tailings, i.e. conventional versus dry stack methods. The dry stack method was selected based on operational criteria such as reducing water consumption and storage space. Another consideration included the reduced potential for impacting groundwater resources in the area.

The estimated project life of 19 years and the resulting tonnages stated above are based on a \$1.50 per pound copper price. Figures 3 through 11 illustrate the progression of the facilities associated with the Rosemont operation from pre-production through Year 19. Ore delivery to the leach pad ceases in Year 6, with final closure of the leach facilities scheduled at Year 10. At year 19, all of the facilities listed above are active except for those associated with heap leach process.

At final closure, the Rosemont site will consist of the following:

- Open pit;
- Regraded plant and mill site areas;
- Rosemont Ridge landform encompassing the reclaimed waste rock, tailings, and spent heap leach material;
- Post-closure access roads; and
- Perimeter fencing.

Figure 12 provides a generalized view of the post-mining landscape. The most prominent features will be the open pit and the former waste rock and dry stack tailings storage areas, termed Rosemont Ridge (Ridge). The progression and reclamation of Rosemont Ridge, as well as other reclamation and closure aspects of the site, form the basis of this Plan.

Cross sections through the generalized Rosemont Ridge landform are provided on Figures 13 through 15. The plan view shown in Figure 12 and the section views illustrate a simplified landform without any specialized treatments to the top surfaces or to the side slopes. The Central and Infiltration Drains, key features associated with the operational and post-mining stormwater management of the site, are illustrated in Figure 16. The development of these drains is highlighted in Section 5.0. Alternatives for shaping and treating the outer shell of the Ridge, and for controlling stormwater, are also presented in Section 5.0. The basis for selecting surface treatments and the sequencing and development of Rosemont Ridge is derived from the initiatives described in Section 3.0.