



Figure 8. Simplified geologic cross-sections along lines A-A' and C-C' shown on Figure 7. (Data from Gardner et al., [1999] and Rogers [1995].) (Geologic symbols are shown in Figure 7.)

The Proposed Action is not expected to result in adverse long-term effects on the health of construction or maintenance workers. Approximately 20 peak-period construction workers would be actively involved in potentially hazardous activities at the various construction and demolition locations within the TA-3 Co-generation Complex. Installation activities would take about one year to complete and involve some heavy-equipment operations. Large earthmoving machines could be used at various times at the subject location. Potentially serious exposures to various hazards or injuries are possible during the demolition and installation phases of the Proposed Action. Adverse effects during installation activities could range from relatively minor events (such as cuts or sprains) to major injuries (such as broken bones or fatalities). To prevent serious injuries, all non-LANL site workers are required to adhere to a Contractor Safety Plan (Plan) for construction activities. Adherence to an approved Plan, use of PPE and engineered controls, and completion of appropriate hazards training are expected to help prevent adverse long-term health effects on demolition and construction workers.

Routine maintenance of the proposed new CTGs would be performed in accordance with standard practices used at LANL for conducting work on buildings and infrastructure. Hazards associated with routine maintenance operations could pose a minimal health risk to non-LANL maintenance workers. Adherence to required and applicable hazard control plans and completion of appropriate training would help to prevent adverse health effects on these workers.

No Action Alternative

Under the No Action Alternative, there would be no potential for injuries to LANL workers and non-LANL demolition and construction workers from activities planned under the Proposed Action. No exposures to demolition activities, earth moving, or installation activities would take place.

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