

CMRR Facility operations at TA-55 under this alternative would be conducted at the levels of activity described for the Expanded Operations Alternative in the *LANL SWEIS*. The Expanded Operations Alternative presented in the *LANL SWEIS* provides the reference point from which incremental effects of this proposed action are measured.

4.3.1 Land Use and Visual Resources

Mello Aff #1, par. 27, ref 2

4.3.1.1 Land Use

Construction and Operations Impacts—Total land disturbance during construction of the new CMRR Facility at TA-55, would involve 26.75 acres (10.8 hectares). Permanent disturbance, consisting of land used for buildings and parking lots, would impact 13.75 acres (5.6 hectares). The remaining 13 acres (5.26 hectares) would consist of a construction laydown area of 2 acres (0.8 hectares), an area for a concrete batch plant of 5 acres (2 hectares) maximum, and land affected by a road realignment of 6 acres (2.4 hectares). Potential development sites at TA-55 include some areas that have already been disturbed, as well as others that are currently covered with native vegetation including some mature trees that would have to be cleared prior to construction. Construction and operation of a new CMRR Facility at TA-55 would be consistent with both the *LANL SWEIS* and *LANL Comprehensive Site Plan* designations of the area for Research and Development and Nuclear Materials Research and Development, respectively (see Section 3.2.1).

4.3.1.2 Visual Resources

Construction and Operations Impacts—Impacts to visual resources resulting from the construction of the new CMRR Facility at TA-55 would be temporary in nature and could include increased levels of dust and human activity. Once completed, the administrative offices and support functions building would be three stories above grade. Regardless of the construction option selected under this alternative, the Hazard Category 2 and Hazard Category 3 Laboratory Building(s) would be no more than one story in height. The general appearance of the new CMRR Facility would be consistent with other buildings located within TA-55. Facilities would be readily visible from Pajarito Road and from the upper reaches of the Pajarito Plateau rim. Although the new CMRR Facility would add to the overall development at TA-55, it would not alter the industrial nature of the area. Accordingly, the current Class IV Visual Resource Contrast rating for TA-55 would not change.

4.3.2 Site Infrastructure

Annual site infrastructure requirements for current LANL operations, as well as current site infrastructure capacities, are presented in **Table 4–6**. These values provide the reference point for the LANL site infrastructure impact analyses presented in this section. The table also presents projected site infrastructure requirements that incorporate both the forecasted demands of the *LANL SWEIS* Expanded Operations Alternative and those of non-LANL users relying on the same utility systems. The *LANL SWEIS* identified that peak electrical demand could exceed site electrical capacity. In addition, whereas the *LANL SWEIS* had projected that water use would remain within DOE water rights, DOE recently conveyed 70 percent of its water rights to