

# ATTACHMENT 5

## Environmental Assessment Statement

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

There are two delineated wetland features located on the subject parcel as set forth in the attached Wetland and Vernal Pool Analysis, which consist of hillside seep forested wetland systems associated with intermittent watercourses that generally flow to the south. The construction and operation of the tower and related site improvements will have no effect on any off-site watercourses or waterbodies, and the equipment associated with the facility will discharge no pollutants to area surface or groundwater systems. AT&T will restrict installation activities from taking place during peak amphibian movement periods (March 1 to May 15 and July 15 to September 15) and will implement accepted protection measures to avoid impacts to any Eastern Box Turtles that may occur at the Site. Best management practices will also be followed to ensure that neither of the two delineated wetland features on-site are impacted by the construction or operation of AT&T's proposed Facility.

#### B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind. A diesel generator for emergency power will comply with DEEP air standards associated with its operation.

#### C. LAND

Clearing and grading will be necessary for the proposed compound area and access drive. The remaining land of the lessor will remain unchanged by the construction and operation of the facility.

#### D. NOISE

The equipment to be in operation at the facility would not emit noise other than that provided by the operation of the installed heating, air-conditioning and ventilation system. Some construction related noise would be anticipated during facility construction, which is expected to take approximately four to six weeks. Temporary power outages could involve sound from the fixed emergency generator.

#### E. POWER DENSITY

The cumulative worst-case calculation of power density from AT&T's operations at the proposed Facility would be 2.89% of the MPE standard. Attached is a copy of a Power Density Report for the Facility.

#### F. VISIBILITY

The Visibility Analysis included in Attachment 8 provides an evaluation of the anticipated potential visual impact of the proposed monopine tower. The potential visibility was assessed within an approximately two (2) mile radius using a computer-based, predictive view shed model and in field reviews. Anticipated potential year-round visibility associated with at least a portion of the proposed Facility would be limited to a small highly localized geographic footprint of 54 acres. The area of anticipated potential year-round visibility will generally be limited to locations east of the proposed Facility on the subject Site. Additional potential partial year-round views of the proposed Facility could also occur at select locations near the intersection of Georges Lane and Cahill Road to the southeast and along Turkey Roost Road to the south of the Site. Potential partial leaf off/seasonal views of the proposed Facility are anticipated over an additional 179 acres, including isolated portions of Mustang Drive to the west, Turkey Roost Road to the south and east and Georges Lane to the southeast. The Visibility Analysis includes a viewshed map, photographs of existing conditions and simulations of the proposed Facility from several vantage points. No schools or licensed child daycare centers are located within 250' of

the Site. No views of the proposed Facility would be achieved from either the Paugussett Trail or the Housatonic Rail Trail.

## II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The Site exhibits no specific scenic, natural, historic or recreational characteristics that have been formally documented as unique. The Connecticut State Historic Preservation Officer ("SHPO") has issued a determination that no historic properties will be affected by the proposed Facility. A copy of SHPO's determination is included in Attachment 10. The Connecticut Department of Energy and Environmental Protection ("DEEP") Natural Diversity Data Base ("NDDB") indicates that the Site supports habitat for the Eastern Box Turtle within the vicinity of AT&T's proposed Facility. DEEP has provided AT&T with detailed recommendations regarding this state-listed species in correspondence included in Attachment 9. AT&T will incorporate the comprehensive protection plan developed by AT&T's consultants in compliance with DEEP's recommendations to ensure that AT&T's proposed Facility will not have an adverse effect on this state-listed species.