

# ATTACHMENT 4

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## Environmental Assessment Statement

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

There were no wetland soils identified within 1,600' of the proposed tower facility nor were any national wetlands inventoried in close proximity to the project site. USFWS NWI and Town of Glastonbury wetlands soils maps are included. No direct impact to wetlands or watercourses will be associated with the proposed development of the tower/compound or gravel access driveway.

The site is not located in a flood zone as noted on the FEMA flood maps for this area of Glastonbury (see attached). Proposed sedimentation and erosion controls will be designed, installed and maintained during construction activities in accordance with the 2002 Connecticut Guidelines For Soil Erosion and Sediment Control which will minimize temporary impacts.

#### 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. An emergency backup power generator (likely diesel) would be exercised once a week and comply with CT DEEP air emission requirements.

#### C. LAND / SOILS

Approximately 50 trees will need to be removed in order to construct the compound and the last 400' of new access drive. The total area of clearing and grading disturbance will be approximately 18,000 s.f. The remaining land of the lessor would remain unchanged by the construction and operation of the facility.

Mapping available through the United States Department of Agriculture indicates the tower would be developed in an area where the soils are classified as 75C—Hollis-Chatfield-Rock outcrop complex and 58C—Gloucester gravelly sandy loam (very stony) neither of which is classified as prime farmland.

#### 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 emergency generator which is tested weekly.

#### E. POWER DENSITY

The cumulative worst-case calculation of power density from T-Mobile's operations at the facility would be 1.2% of the MPE standard. Attached is a copy of a Radio Frequency Emissions Analysis Report for the facility.

#### F. VISIBILITY

Preliminary desktop analysis has identified areas where the tower site may be visible. As part of the technical consultation process and Siting Council review, additional visual analyses including field studies and photosimulations will be prepared and provided regarding overall tower site visibility.

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

There are no districts included on the National Register of Historic Properties within 1/2 mile of the project area. Eco-Site is currently consulting with the CT State Historic Preservation Office to obtain confirmation that the project will have no adverse effect on any on listed or eligible historic resources. Photographs of the site and surrounding area are also included as an attachment.

There are no known rare or significant habitats on or proximate to the site. The CT Department of Energy and Environmental Protection Natural Diversity Data Base Map does not show any State or Federal Listed Species in the project area. US Fish and Wildlife Service correspondence did identify the Northern long-eared Bat as one (1) potential rare, threatened or endangered species to be present in the project area. Follow up correspondence has been filed with USFWS to confirm that no further action is required because the project will not disturb a known hibernaculum or removal of maternity roost trees from June 1 to July 31.

The site is currently under evaluation in accordance with the FCC's regulations implementing the National Environmental Policy Act of 1969 ("NEPA") and it is anticipated that the project is exempt from further federal environmental assessment. See attached.

### III. SCHOOLS/DAY CARE CENTERS

There are no schools or day care centers located within 250' of the tower site.