

Exhibit 5B Blasting Plan

Rock removal will be required in some areas of the project site to develop roadways and turbine clearings and to install turbine foundations. The grading for the access roads, crane path roads, associated spurs, and the turbine clearings are designed to minimize the amount of cut required. While some proposed roads will be constructed on top of stabilized, existing logging roads, some blasting of bedrock will be unavoidable. Blasted bedrock, as feasible, will be broken into a well-graded mixture in accordance with the geotechnical engineer's specifications and used on-site as surface gravel for crane path and access roads, riprap, and potentially for deeper fills greater than two feet below finish grade.

The predominant mapped soils are Monson and Elliottsville on ridgetops and upper sideslopes, which are shallow to moderately deep bedrock, and are interspersed with moderately well-drained Chesuncook (see Soil Narrative Report in Exhibits 15A and 15B). Depths to bedrock for these soils are generally as shown in the following table.

Soil Type	Depth to Bedrock
Monson	Shallow, 10-20"
Elliotsville	Moderately deep, 20-40"
Chesuncook	Very deep, >60"

The shallow depth to bedrock, especially in Monson soil areas, suggests that more blasting may be required in areas that include these soils.

Blasting is expected to be required for most, if not all, of the 27 turbine foundations, the crane paths in areas requiring extensive cuts, and the underground electric line trenches. A Preliminary Geotechnical Investigation Report has been completed for this site and is included in Exhibit 5A. The geotechnical investigation report includes soil boring logs and provides an indication of geologic conditions at the project site. Based on the report findings, the majority of the turbine foundations are anticipated to be rock anchor foundations, with the remainder requiring spread footing foundations.

Blasting will be performed in conformance with the "Blasting Guidance Manual", Office of Surface Mining, Reclamation, and Enforcement, U.S. Department of Interior. Blasting will also be conducted in accordance with Figure B-1 of Appendix B, U.S. Bureau of Mines RI 8507. The contractor will prepare a blasting plan prior to commencing project blasting. This will include sketches of each blast location, drill pattern, delay period, and decking. It will also indicate the type and amount of explosive to be used and identify any structures to be protected. There are no wells or structures within close proximity of the project that would be impacted by the blasting. A blasting schedule will be prepared and distributed to local governments and public utilities. The schedule will conform to 30 CFR 816.64.