



## **Red Lake Chapter Navajo Nation and Environmental Forest Solutions, LLC New Mexico**

Fountainhead Engineering LTD (FHE) was retained to perform a Phase I Site Assessment (ESA) at a former particle board plant located on the Navajo Indian Reservation, Red Lake Chapter near Window Rock, New Mexico. During field surveys site investigations were expanded to include adjacent properties and as a result FHE developed a Site Characterization Workslope for a 50 acre abandoned dump site (submitted to the Navajo Nation Environmental Protection Agency – NNEPA). The project was partially funded through a Brownfield grant provided by the United States Environmental Protection Agency (USEPA).

FHE was retained to assess mechanical conditions and develop technical workplans for potential redevelopment of a former 10 Megawatt (MW) power plant into a 10 MW renewable energy (biomass) facility. The power plant was located at an abandoned sawmill. As part of this work FHE conducted a fuel supply assessment coordinated with a revised forest plan submitted to the U.S. Bureau of Land Management and U.S. Forest Service.

Additional analyses conducted for this assignment included a regulatory strategy for re-permitting of the former power plant as well as development of Pro Forma economics illustrating capital and operating costs of the system as a “renewable” energy project.