

Hydro Quebec owns many electric installations (e.g. transformer sub-stations) where all vegetation (trees, shrubs, herbaceous plants) must be eliminated.

For safety reasons, it obligatory that these installations be surrounded by a fence. Any intervention inside this enclosure implies that the equipment has to be shutdown. Shutting down the equipment becomes problematic because of the strategic role occupied by this equipment (e.g. export of electricity).

Hydro Quebec was in search of a solution which, on the one hand prevents the vegetation from growing within the fenced enclosure, and on the other hand does not require shutting down the equipment.

The surface area of the project was approximately 4,200 sq. ft. (390 sq. m.).



The fence was partially removed.



Biobarrier will conform easily around any shape.



Unrolling Biobarrier and overlapping the membrane with the space of two nodules.



A thickness of 3" of stone ballast is applied over Biobarrier.



For detail work, Biobarrier is applied 2" upwards all around the concrete.



Under a fence, Biobarrier should exceed by 12".



Overview of the covered Biobarrier membrane.



Biobarrier's performance is guaranteed by the manufacturer for 15 years, but you can expect it to last for 25 and even 30 years!