

Hydro Quebec owns many electric installations (e.g. transformer sub-stations) where all vegetation (trees, shrubs, herbaceous plants) must be eliminated. For reasons of safety, it is mandatory that these installations be surrounded by a fence. Any intervention (e.g. application of herbicide on plants foliage, shrub removal, etc...) 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 in the fenced enclosure, and on the other hand does not require shutting down the equipment.

Hydro Quebec opted for the "Biobarrier" solution....

The Hydro Quebec installation consisted of 15,000 square feet. It was completed in 6 hours with a 2" stone balast.

The site.



Installing the Biobarrier membrane.



Addition of 2" of crushed stone.



2 years later..... no vegetation growth!



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