CASE STUDY

Municipal Solid Waste Litter Fence
1,200 Foot Perimeter Fence
HLDA 1500

A landfill litter fence was located directly along a municipal park and required odor control. Initially a water based aerosol system was installed along the top of the litter fence posts. This presented a nozzle servicing problem because the active access road was adjacent to the fence. A man lift for servicing leaking or clogged nozzles could only be in the the road during off hours. In addition, the water well and pump were located beyond the litter fence requiring a larger water holding tank.

The solution was to install a waterless, air-driven system along the base of the litter fence with stanchions on the poles. Because only air is driven through the system, the need for a man lift to maintain leaking and clogged nozzles was eliminated.

A two-man crew installed the system in three days. The base air line was 1,200 feet of 4” welded plastic pipe. Stanchions, 8 feet high, were attached to each litter fence pole. 3/16” holes were drilled through the 1” diameter stanchion to distribute the odor neutralizer.

By switching to the air driven system, the facility saved over 200,000 gallons of water a month that would have cost them over $10,000 per month.