

PROJECT TITLE	PROJECT NUMBER	START DATE	COMPLETION DATE
SIDEWALK SWEEPER	C00-03	MAR 00	AUG 00

Equipment Evaluated: Applied 414 Green Machine ("The Green Machine"), made by Applied Sweepers Limited, distributed by Applied Sweepers, Inc., 105 Henderson Dr., Court 1, Folcroft E. Business Pk, Sharon Hill PA 19079; 1-800-793-3740; **Website:** <http://www.appliedsweepers.com>. The Green Machine is a walk-behind or ride-on sidewalk sweeper advertised as a unit that dampens down, disinfects, and devours all types of trash including cans, cigarette butts, animal feces, food waste, dirt, sand, and broken glass, all of which is pulverized, compacted, and collected in standard plastic bags (30 gal trash bag). Designed so that the impeller shredding action generates a 4:1 compaction ratio. The unit has forward speeds of up to 5.5 mph, and weighs 1,015 lbs. **Other Features:** Dual fully-floating 18" diameter polypropylene side brushes; a litter picker (a wander-hose giving it an additional 8 feet flexible reach to enable the operator to clean normally inaccessible areas); a six-blade 16" diameter impeller fan made from hardened alloy steel with hard-faced blade leading edges; a Kubota Z482-E 2-cylinder, 479cc liquid-cooled diesel engine. **Other Options:** 52 cf leaf collection kit, and snowplow/deicer kit. **Note:** This evaluation includes the leaf collection kit. **Project Monitor:** ACC MEEP Activity. **Comparison:** Physically policing & sweeping the areas. **Project Results:** Base Civil Engineer technicians at an Air Force base evaluated the Sidewalk Sweeper, using it primarily to clear debris from the organization's compound parking lot & other job site areas. The unit performed as advertised, considerably reducing labor time since manual policing & pavement sweeping is labor-intensive & demeaning. It's a safer & much more sanitary method of removing trash/debris & animal excrement. The company provided on-site training & great support during the duration of the evaluation. No mechanical problems were encountered, & no disadvantages were noted. However, technicians stated that, after each use it takes approximately 1½ hours to clean the unit. Even though the equipment was used much less than expected, it has great potential & is an enormous improvement over the manual method. **Final MEEP Action:** This type sweeper is recommended for Air Force use by units that have a need for this type equipment. Procurement is via use of established LP procedures. HQ AFCESA is OPR for this type product. **Project Closed.**
