The Boone County Landfill uses a Geographic Information System (GIS) to manage operations and to organize a wide range of documents and records.

The GIS system was modified to meet the specific needs of the landfill. This system was recognized with an “Engineering Achievement Award for Engineering Excellence” from the Consulting Engineers Council of Iowa in 2001.

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A Partner of the
CENTRAL IOWA WASTE MANAGEMENT ASSOCIATION

HISTORY: The Boone County Landfill (BCL), located in the heart of Iowa, is proudly owned and operated by Boone County. The BCL not only provides sound disposal options, it is also charged with coordinating the solid waste management plan for Boone and Greene Counties (with the exception of Jefferson) as well as certain communities in Calhoun and Dallas Counties.

The BCL opened in May of 1970 as one of the very first sanitary landfills in Iowa. The BCL is a member of the Central Iowa Waste Management Association comprehensive planning area (formed through a partnership with the Ames Resource Recovery System). The planning area’s diversion rate is 48+%

FACILITY STATISTICS:
Annual Operating Budget: $1.7 million.
Employees: 8 full-time, 4 permanent part-time and 1 seasonal part-time.
Annual tonnage landfill: 45-50,000 TPY.
Population served: 36,000 (primary service area) (117,000 total).
Total Acreage: 135 acres.
Litter Fence: 11,000 linear feet
Scale & Billing Software: Waste Works (Carolina Software)
Facility utilizes GIS (Geographic Information System)
Governing Board: Boone County Board of Supervisors (3)
Landfill Engineering Firm: Fox Engineering

ON-SITE WASTE DIVERSION PROGRAMS (ON-SITE):
Yard Waste Processing Facility
Appliance Recovery
Scrap Metal
Household Hazardous Waste
Used Tire Recycling
Automotive Batteries
Anti-freeze
CESQG Haz Waste

STORMWATER MANAGEMENT PROGRAM:
NPDES stormwater discharge permit
Upper and lower sediment basins with trash racks on vertical intakes
Silt Fencing
Ditch checks
Seedling program (landfill cover mix and native grass mix)
Terraces and let-down structures

LANDFILL HEAVY EQUIPMENT:
Al-Jon 500 compactor
Bomag 772 compactor
Cat 950F end loader
John Deere 570A road maintainer
Kobelco 210LC Excavator
Cat D8TWH dozer
Cat 963 crawler loader
Cat 725 Articulated Truck
Cat 627G scraper
Cat 140G road maintainer

EQUIPMENT MAINTENANCE FACILITY (1999):
5,000 sq ft (50' x 100') with four bays (one is drive-through)
16' x 16' overhead doors (peak height is 21')
Radiant heat and carbon monoxide evacuation system
Floor (10'' double reinforced concrete)
Dozer and compactor bays (1.5'' of anvil top concrete inlay)
Bathroom doubles as tornado shelter (built to hurricane specifications)
Bulk oil storage system with a compressor driven lubricant supply and drain system

OTHER PROGRAMS OPERATED or SPONSORED
BY THE LANDFILL:
Boone County Recycling Center and workplace recyclables collection program
Regional Collection Center in Bondurant operated by Metro Waste Authority
Workplace Waste Reduction Awards
Environmental and Solid Waste Management Education
Boone County Outdoor Classrooms Program
Keep Boone County Beautiful
Dragoon River Romp
The Boone County Landfill also helps fund Recyclables Processing in Greene County

SCHEDULE OF FEES (as of July 1, 2009):
Annual Per Capita Assessment: $5.00
Tipping Fees for MSW, yard waste and construction & demolition waste:
Per Capita Users: $28.00 Per Ton
Minimum Charge: $ 7.00 (500 pounds or less)
Per Capita Users include residents and businesses located in: Boone County, Greene County (except the City of Jefferson); the Cities of Bouton, Granger and Woodward in Dallas County; and the Cities of Farnamville, Lohrville and Somers in Calhoun County.
Non Per-Capita Users: $41.50 Per Ton
Minimum Charge: $20.75 (1,000 pounds or less)
Non-Per Capita Users include residents and businesses located in Story County and which are included in the service area of the Ames Resource Recovery Plant. Non-Per Capita Users must first call the Landfill to receive authorization prior to delivering a load. Authorization is given only if the load is rejected by the waste facilities in Story County.

Appliances:
Tires:
Cars & Light Truck: $ 2.00 Each
Large Truck/Semi: $ 5.75 Each
Tractor Tires: $15.00 Each (size limitations apply)
Tires on Rims: $ 1.00 Additional Charge Per Tire

Uncovered Load Charge: $10.00 Additional Charge Per Load.

To prevent any type of waste from blowing onto area roadways and into ditches, Boone County adopted a policy in 1996 that all loads delivered to the Landfill must be covered with a secured tarp (even if waste is in bags or containers.) Trucks and trailers must also have a tailgate. The only exception is that brush can be securely tied instead of being tarped.

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