

Reducing The Cost of Operations at a Landfill Facility

(While maintaining permit compliance and operational excellence)

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Who am I

- Brian McAllister
- 25 years experience managing and permitting solid waste facilities for large publicly owned waste management organizations
- Senior Manager of Post Collection Operations and Maintenance supporting over 300 landfill and transfer station operations
- Co-Creator and Presenter of "Landfill University"
- Scheduled presenter on landfill operations at Wastecon 2009.

Key Operating Cost Factors

- Employee Labor
- Landfill Equipment Expense
- Density
- Facility Access
- Environmental Compliance Cost

Employee Labor Expense

- Hourly labor rate as established by the market
- Hours per week required to complete necessary tasks
- Number of employees
- Shift Scheduling
- Contract labor

Landfill Equipment Expense

- Daily and Scheduled Maintenance
- Fuel and Oil
- Equipment Repairs (scheduled vs. unscheduled)
- Lease, Rent, Own
- Comprehensive sustainable maintenance program

Density

- Arguably the single most important factor in determining landfill efficiency.
- Effect on cell development timing and required cash flow implications
- Impact on soil usage
- Post closure differential settlement issues.
- Operator training and comprehensive fill sequence planning and execution

Facility Access

- Ability to operate in all weather conditions
- Impacts of poor accessibility
 - Increased wear and tear on landfill and customer vehicles
 - Increased turn around time for customer vehicles
 - Mud tracking on surrounding streets and highways
- Safety

Environmental Compliance

- Stormwater management
- Leachate management
- Litter control
- Vector control
- Air and dust control emissions

Thank You

