

Landfill Odor Management

	Regulatory Requirements	Common Industry Practices	High Acres
Monthly Well Monitoring	✓	✓	✓
Quarterly Surface Scan (500 ppm) Action Level	✓	✓	✓
Gas Collection Within 5 Years of Waste Placement	✓	✓	✓
Vertical Wells	✓	✓	✓
Horizontal Collection - 20 feet Vertical and 100 feet Horizontal	✓	✓	✓
Gas Control Devices (Flares, Beneficial Reuse)	✓	✓	✓
Odor Control Plan	✓	✓	✓
Waste Identification and Screening	✓	✓	✓
Dedicated Staff to Monitor Gas System	✓	✓	✓
Monitoring for Off Site Fugitive Odors	✓	✓	✓
Operating Soil Cover (6 Inches)	✓	✓	✓
12 Inches of Intermediate Cover/Geomembrane Cover	✓	✓	✓
Waste Screening to Control Odors	✓	✓	✓
Dust Control Plan	✓	✓	✓
8 Hour Landfill Operator Training	✓	✓	✓
Limit Biosolids Acceptance to Less Than 10%		✓	✓
Incorporate Odorous Materials Into Waste and Limit Acceptance Times		✓	✓
Identify and Remove Odorous Waste Streams		✓	✓
Limit Size of Working Face		✓	✓
Strip Daily Cover Prior to New Waste Placement		✓	✓
Site Personnel Respond to Complaints		✓	✓
Perimeter Misting Systems		✓	✓
Working Face Misting Systems		✓	✓
Gas Well Dewatering (Limited)		✓	✓
Technicians On Call 24/7 to Respond to System Issues			✓
Quarterly Surface Scans (200 ppm) - Town/NYSDEC Screening Level			✓
Continuous Perimeter and Community H2S Monitoring (5 Fixed Locations)			✓
Installation of Base Gas Collection Grid Prior to Waste Placement (200 feet x 200 feet)			✓
Slip Wells Installed with Initial Waste Placement and Continuously Extended			✓
Reverberation Limiter Installed at Flares			✓
Automated Landfill Gas Well Dewatering System			✓
Extensive Waste Characterization Study Performed with Town and DEC			✓
Sulfur Containing Waste Removed from Site			✓
Biosolids Acceptance Less Than 5%			✓
Generator Visits to Recommend Additional Odor Treatment Methods			✓
Neutralizer Applied to Waste at Intermodal Transfer Sites and POTW Prior to Shipment			✓
Use of Granular Odor Control Neutralizer at Working Face			✓
Two Dedicated Water Trucks with Neutralizer for Odor and Dust Control			✓
Comprehensive Odor Control System Designed by Third-Party Engineering Firm			✓
Reconfigured Fill Progression Plans to Move Operations Further Away From Residents			✓
Constructing Larger Cells to Provide More Operational Flexibility (18 Months Rolling Capacity)			✓
Limited Alternate Operating Cover and Supplement with Soil Cover			✓
Pad-Foot Roller Used to Seal Soil Cover at End of Day			✓
Working Face Foreman Signoff on Cover Conditions at End of Working Day			✓
Purchase EPI Cover System as Daily Cover to Seal Working Face and Eliminate Soil Stripping (1.75 mil. Film Membrane)			✓
24/7 Hotline Established for Site In Conjunction with Town and DEC			✓
Certified Odor Training Conducted for In-House, Third-Party and Town Personnel			✓
Third-Party Contractor Performs Routine Off-Site Monitoring Through Surrounding Neighborhoods			✓
Hotline Complaints Investigated and Reported in Real Time to DEC, Site and Town			✓
Independent Expert Conducts Off-Site Odor Monitoring to Gauge Effectiveness of Site Improvements			✓
Bi-Weekly Meetings Held with Town to Review Odor Complaints and Investigations			✓