



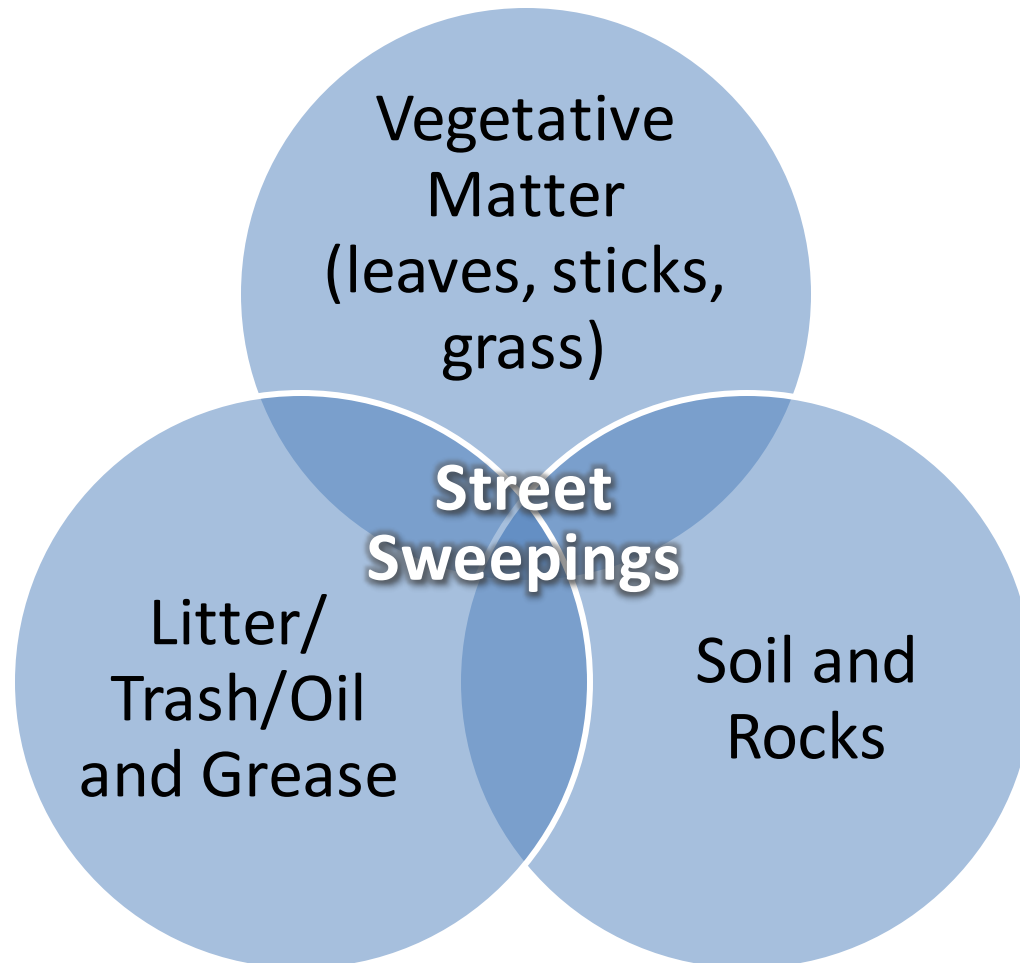
Street Sweepings Regulatory Issues

Tracy Barnes

Senior Environmental Manager
Industrial Waste Compliance Section
Office of Land Quality



Street Sweepings





Common Components of Street Sweepings

- **Debris:**
Litter, dirt, grass, and other vegetative matter
- **Compounds Associated with Stormwater Run-off:**
Oil and grease, metals, sediment, and automobile fluids
- **Snow and Ice Abrasives:**
Salt, sand, and other regional appropriate materials



Disposal of Street Sweepings

- Street sweepings may be disposed of at a municipal solid waste landfill (MSWLF).
- If disposed of at an MSWLF in Indiana, contact the landfill to find their specific requirements.
- If going out of state, must comply with:
 - Indiana Department of Transportation
 - Receiving-state regulations



Storage of Street Sweepings

- Street sweepings should be stored in a manner that prevents run-on, run-off, or fugitive dust emissions.
- Street sweepings should not be stored in an area where the material will wash into wetlands or waterways.



Storage

329 IAC 10-2-181

"Storage" means the retention, containment, or accumulation of solid waste on a temporary basis in such a manner that it does not threaten or potentially threaten human health or impact or potentially impact the environment, for a period of more than twenty-four (24) hours, in such a manner as not to constitute disposal of the waste. It must be a rebuttable presumption that storage of waste for more than six (6) months constitutes disposal.



Reuse and Alternative Disposal Options for Street Sweepings

- Street sweepings may be reused or utilized in a manner other than disposing at an MSWLF if the use is in compliance with Indiana's Solid Waste Regulations (329 IAC 10 and 329 IAC 11).
- Street sweepings cannot be placed in standing water or in karst terrain because of the potential for human and environmental contact.



Potential Uses for Street Sweepings

- Bulking agent at an IDEM-permitted composting facility
- Alternative daily cover (ADC) at a landfill approved to accept street sweepings as ADC
- Other uses approved through a Legitimate Use Approval from IDEM's Industrial Waste Compliance Section



Composting

- Facilities that compost vegetative matter must have an IDEM registration; can also include food and manure.
- Compost that is blended with solid waste (for example, street sweepings) must have either a:
 - Land Application permit, or
 - Marketing and Distribution permit.



Land Application

“Land application” means the beneficial use* of a biosolid, industrial waste product, or pollutant-bearing water by:

- (1) spraying or spreading onto the land surface;
- (2) injection below the land surface; or
- (3) incorporation into the soil.

*Beneficial use includes nutrients, increasing organic matter, pH adjustment, or other benefits.



Land Application Permit

- Agricultural land only
- Intentional placement at specified rate in the root zone
- May include storage structure (327 IAC 6.1-8)
- All sites subject to “General requirements” (327 IAC 6.1-3)
- Three types of permits:
 - Site specific (327 IAC 6.1-4)
 - Nonsite-specific (327 IAC 6.1-5)
 - Hybrid (327 IAC 6.1-5.5)



Marketing and Distribution Permit

- Not limited to agricultural applications; can also use in residential applications.
- Quality must meet Table 3 (327 IAC 6.1-4-9) exceptional quality standards.
- Must include user information sheet (how to use, how much to apply)
- See 327 IAC 6.1-5



Alternative Daily Cover

- The landfill must submit an insignificant modification request
- No fee
- 30-day review by IDEM



Legitimate Use Approval

- Covered under Indiana Solid Waste Rules 329 IAC 10-3-1 (16)
- “Any other use of solid waste approved by the commissioner based on the commissioner’s determination that the use is a legitimate use that does not pose a threat to public health or the environment.”
- Example: structural fill



Screening of Street Sweepings

- Street sweepings may need to be screened to remove municipal solid waste prior to use.
- All municipal solid waste generated from screening activities must be properly disposed of or recycled, as appropriate.
- Municipalities may screen street sweepings without a solid waste processing facility permit (329 IAC 11) if they conduct the screening on property they own or lease.



Resources for Street Sweepings

- Office of Land Quality (OLQ) Solid Waste Permits Section:
 - Land Application / Marketing and Distribution Permits
- OLQ Industrial Waste Compliance Section:
 - Legitimate Use Approval
- Street Sweeping Debris Disposal and Management Fact Sheet
 - Under revision; will be available on IDEM Fact Sheets page: www.idem.IN.gov/4522.htm
- OLQ Website
 - www.idem.IN.gov/landquality



Questions?

- Landfill/Disposal
- Legitimate Use
- Land Application
- Marketing and Distribution

Tracy Barnes
Industrial Waste
Compliance Section
tbarnes@idem.IN.gov
(317) 234-6964

Brenda Stephanoff
Solid Waste Permit Section
bstephan@idem.in.gov
(317) 233-0472