

JOHNSON COUNTY, KANSAS
ENVIRONMENTAL DEPARTMENT

PERMIT APPLICATION
FOR
OPERATION OF A CONSTRUCTION/DEMOLITION LANDFILL AND COMPOSTING SITE

1. Applicant's Name: _____ Phone: _____
Address: _____
(Street or Rural Route) (City & State) (ZIP)
2. Political Subdivision: _____
(Unit of Government - County, City, Township)
3. State Agency _____ Private Individual or Firm _____ Other _____
If Other - explain _____

4. Site Address: _____
(Street Number, Road, Highway) (City)
5. Site Location:
County _____, Section _____, Township _____, Range _____
6. Site Area (acres) _____ Area to be used for waste processing (acres) _____
7. Attach a copy of the "**Site Plan**".

Site Plan:

The following **maps** must be used and included as part of a site plan:

- a. A **site location** map showing section, township, range, and site boundaries. A description of adjacent properties including land use, names and addresses of property owners. If proposed site is adjacent to a public road or street include property across the street or road.
- b. A **site layout drawing** showing the size and location of all pertinent constructed and natural features of the site including roads, fire lanes, ditches, berms, culverts, structures, wetlands, floodways, surface waters and projected site utilization including all site structures (such as buildings, fences, gates, entrances and exits, parking areas, on-site roadways, and signs) and the location of all water supplies.
- c. A **FEMA floodplain map** with the site location drawn on it.
- d. A **facilities layout drawing** which shows the arrangement of equipment on the site, storage facilities, traffic flow, and waste storage areas.

8. Site owned by applicant _____ Site leased by applicant _____
If site is leased, please fill in the following information:

Owner of Record _____

Address _____
(City) (State) (ZIP)

Date lease negotiated _____ Duration of lease _____

9. Type of site applied for: Transfer Station _____ Recycling Facility _____
Construction/Demolition (C/D) Landfill _____ Composting Site _____ Other _____

If other, explain _____

10. Is the C/D Landfill an existing disposal facility? _____
Is the composting site a new site? _____

11. Is an updated operations plan and contingency plan for the landfill and composting site available at the facility?

Yes _____ No _____ (attach)

Composting site operations plan shall include the following:

- a. Schedule of operation including the days and hours that the facility will be open, preparations before opening, and procedures followed after closing for the day.
- b. Daily traffic flow to and from the facility including the number of trips by private or public collection vehicles and quantity of yard waste contained in each vehicles.
- c. Procedure for unloading trucks.
- d. Special precautions or procedures for operation during wind, heavy rain, snow or freezing conditions.
- e. Equipment used including any shredding, grinding, mixing, screening, and turning equipment.
- f. The method used to control surface water run-on and run-off at the site.
- g. A description of any seed material, ("seed material" means any material/s added to the raw waste and used to enhance or speed up the composting operation; seed material includes commercial additives, enzymes, manure, sludge or finished compost) in terms of its quantity, quality, and frequency of use.
- h. Estimated composting time duration, (the time period from initiation of the composting process to completion, and distribution).
- i. For windrow systems, the windrow construction, including width, length, and height.
- j. Method of aeration, including turning frequency or mechanical aeration equipment and aeration capacity.
- k. Site access control method.
- l. Fire control procedures, including availability or water for fire fighting and for moisture addition to the piles.
- m. If in-vessel composting system are proposed, a process flow diagram of the entire process, including all major equipment and flow streams.
- n. Personnel required and their responsibilities.
- o. A description of the compositions of the solid/yard wastes involved, the anticipated quantity of each type of material, and how each will be handled at the site.
- p. A description of monitoring that will occur involving the composting process on the site.
- q. A contingency plan to outline the steps that will be taken if unapproved wastes are delivered to the composting facility; and in the event of odor, surface water contamination or other undesirable condition.

- r. A description of the ultimate use for the finished compost and method for removal from the site and a plan for the disposal of finished compost that cannot be used in the expected manner due to poor quality or change in market conditions.
- s. A description of the method of removal and disposition of materials screened from the finished compost.

12. Is the site approved by the local governing board? Yes ____ No ____

13. Land characteristics (general description): _____

14. Drainage (Provide sketch of drainage facilities and contour map):

- a. Natural _____ Acres
- b. Storm Sewers _____ Acres
- c. Farm Tile _____ Acres
- d. Open Ditch _____ Acres

15. Estimate site acreage devoted to following uses:

- a. Heavily Wooded _____ Light brush _____
 Grasses or Pasture _____ Cultivated _____

b. Estimated acreage to be cleared: _____

c. Proposed method of clearing: _____

16. Soil Classification - From soil conservation service or county agent:
 (Do not complete if soil survey or drill logs are attached)

_____ % Sand _____ % Silt Texture Classification _____ % Clay

17. If sufficient cover material is not available at the site, where will it be obtained?

What kind of cover material is on site? _____

18. Land use permitted under official land use plan within one mile radius (if there is a land use map please attach).

	South	West	North	East
a. Residential	_____	_____	_____	_____
b. Commercial	_____	_____	_____	_____
c. Light Industrial	_____	_____	_____	_____
d. Heavy Industrial	_____	_____	_____	_____
e. Rural	_____	_____	_____	_____
f. Mixed	_____	_____	_____	_____

(If land is not zoned, use "O"; if land use agrees with zoning, mark "Z"; if land use and zoning do not agree, mark "V")

Is site properly zoned for waste processing operation?

Yes _____, please attach copy of conditional use permit;

No _____, explain _____

19. Are there any nearby water wells? Yes _____ No _____

Location _____

20. Access roads serving the site:

a. City _____ b. Township _____ c. County _____
 d. State _____ e. Interstate _____ f. Other (explain) _____

21. Types of road surface on site:

a. Concrete _____ e. Gravel _____
 b. Asphalt _____ f. Crushed stone _____
 c. Seal Coat _____ g. Dirt _____
 d. Soil Cement _____ h. Other _____

22. Method of Solid Waste Handling:

a. Compaction _____ b. Baling _____ c. Shredding _____
 d. Separation _____ e. Recycling _____ f. Composting _____
 g. Other or combination _____

23. Service Areas:

a. Construction/Demolition Landfill to Serve:

City _____ Township _____ County _____ Business _____ Other _____

b. Composting Site to Serve:

City _____ Township _____ County _____ Business _____ Other _____

c. Will facility be open to the general public? Yes ____ No ____

d. List public and private collectors who are expected to use the facility. (If city issues collection licenses, attach list of licenses.)

Collector	Private	Public
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

24. Waste Stream:

a. Types of solid wastes accepted:

Residential _____	Industrial _____
Commercial _____	Demolition _____
Agricultural _____	Other _____

b. Materials accepted at facility:

All Garbage/Rubbish _____	Household Hazardous Wastes _____
Yard Wastes/wood debris _____	Large Appliances _____
Waste Oil _____	Demolition Wastes _____
Sewage Solids _____	Construction Debris _____
Grass Clippings _____	Street Sweepings _____

Other (specify) _____

25. Employees and Equipment:

a. Number of employees on site (average daily) _____

b. Equipment on site _____

26. Estimated Number of Loads Daily (estimate quantities in tons or cubic yards):

	<u>C/D Landfill</u>		<u>Composting Site</u>	
	Tons	Cubic Yards	Tons	Cubic Yards
a. From public collection vehicles	_____	_____	_____	_____
b. From private collection vehicles	_____	_____	_____	_____
c. From other vehicles (specify)	_____			

27. Estimated Capacity of Site:

a. C/D Landfill

In cubic yards _____ In years _____

b. Composting Site

In cubic yards _____ In years _____

28. Proposed Completed Site Use

- | | | | |
|----------------|-------|---------------------|-------|
| a. Parks | _____ | d. Parking | _____ |
| b. Playgrounds | _____ | e. Light Industrial | _____ |
| c. Agriculture | _____ | | |

29. Maximum Elevations (show finished contours on plan)

a. Natural elevation of site before landfill operation:

b. Man-made elevation of site after landfill closure:

c. Maximum elevation of adjacent off-site man-made or natural features:

30. Attach a copy of "Certificate of Insurance" for proof of liability of insurance in accordance with KAR 28-29-18. The coverage shall include coverage of the premises and operations, including operations of independent contractors.

31. Attach a copy of the "Closure Plan" as required by KSA 65-3406.

The closure plan shall include:

- a. When or under what circumstances the site will be closed.
- b. How will the site be properly closed.
- c. A schedule for the applicable closure procedures, including the time period for completing the closure procedures.
- d. Closure cost estimates must be third party costs and submitted on the proper form found in the Closure Cost Estimating Handbook.

32. Additional Comments: _____

Current License Fee Enclosed: _____

Application Period: _____ to _____

Signature of Applicant	Title
(Printed)	
Organization	Date

APPLICANT WILL NOT WRITE BELOW THIS LINE

Review by Johnson County Environmental Director

Approved _____ Disapproved _____

Comments _____

Signature of Environmental Director	Date
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