

APPLICATION FOR SOLID WASTE LANDFILL PERMIT (MODIFICATION)

**Acme Industrial Waste Landfill
KDHE Permit No. 765
Coffeyville, KS**

March 3, 2021

Terracon Project No. 01187186

Prepared for:

Acme Foundry, Inc
Coffeyville, Kansas 67337

Prepared by:

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1815 S. Eisenhower
Wichita, Kansas

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

Application for Solid Waste Landfill Permit

III. Type of application (check one):

- New permit
- Modification of an existing permit
- Transfer of an existing permit

IV. Facility type (check all that apply):

(For new permits identify the *proposed* facility type(s). For modifications or transfers identify the *existing* facility type(s).)

- Municipal solid waste landfill
 - Subtitle D
 - Small arid
- Industrial landfill
 - Asbestos monofill
 - Waste tire monofill
 - Other (list types of waste): Industrial Monofill - Foundry sand and slags
 - Construction & demolition landfill

V. Modifications proposed (if existing facility; check all that apply):

- Increase property area
- Increase disposal capacity
- Add new type of disposal unit
 - Municipal solid waste landfill
 - Subtitle D
 - Small arid
 - Industrial landfill
 - Asbestos monofill
 - Waste tire monofill
 - Other (list types of waste): _____
 - Construction & demolition landfill
- Add processing unit (submit separate processing facility permit application form for each type)
 - Composting
 - Household hazardous waste
 - Incinerator
 - Land farm
 - Transfer station
 - Other: _____
- Other modifications (explain): _____

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VI. Items to submit with this application (check each item or indicate “NA” for not applicable):

“†” indicates a form is available on the Bureau of Waste Management web site.

For permit modifications (or transfers using this form), only submit items that must be updated. Items submitted in the past that are still effective, correct, applicable, and acceptable do not have to be resubmitted.

Business Concern Disclosure Statement (BCDS)[†] or Public Entity Disclosure Statement (PEDS)[†]
Attachment 1

Large companies (100 or more employees) or companies based in other states should use BCDS Form 1. Small companies (less than 100 employees) based in Kansas may use BCDS Form 2.

If the applicant submitted a BCDS to the Bureau of Waste Management within the past three years, then the applicant may either submit: a new, updated BCDS; an addendum to the BCDS to cover the period since the previous BCDS, including a new signed certification; or a signed certification that the previous BCDS is still applicable, that none of the information has changed, and that there is no new information to report.

If the applicant previously submitted a PEDS to the Bureau of Waste Management the Bureau would not normally require a new or updated PEDS.

Proof that the applicant owns the property where the landfill will be located if the landfill is:

(from K.S.A. 65-3407(m)(3))

(A) A municipal solid waste landfill; or

(B) a solid waste disposal area that has:

(i) A leachate or gas collection or treatment system;

(ii) waste containment systems or appurtenances with planned maintenance schedules; or

(iii) an environmental monitoring system with planned maintenance schedules or periodic sampling and analysis requirements.

OR

Evidence that the applicant leased the property prior to April 1, 1999 if the permit will be for a vertical or lateral expansion contiguous to a permitted solid waste disposal area in operation on July 1, 1999

Copy of lease agreement (if the property is leased)

Attachment 2

Application fee:

_____ \$5,000.00 for a new municipal solid waste landfill

_____ \$3,000.00 for a new industrial landfill

_____ \$1,000.00 for a new C&D landfill disposing more than 10,000 tons annually

_____ \$ 500.00 for a new C&D landfill disposing more than 1,000 and less than 10,000 tons annually

_____ \$ 250.00 for a new C&D landfill disposing less than 1,000 tons annually

Make check payable to: Kansas Department of Health & Environment.

A city, county, or other political subdivision or state agency is exempt from the application and renewal fees.

Application fees are not normally assessed for permit modifications and transfers unless the application constitutes a new permit (e.g., adding a municipal solid waste landfill at an existing C&D landfill).

Waste characterization

Attachment 7 - FOP, Appendix D

Required for industrial landfills except asbestos monofills, waste tire monofills, and other predetermined inert waste.

Submit Material Safety Data Sheets (MSDS) if available, and/or analysis of chemical constituents.

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- X **Leaching tests**
Attachment 7 - FOP, Appendix D
Required for industrial landfills when the waste characterization identifies constituents that pose a risk to groundwater quality.

Submit leaching test results using an EPA or ASTM method that most closely simulates the landfill environment.
- X **Hydrogeologic investigation (see K.A.R. 28-29-104(b))**
Attachment 3-3
Required for all municipal solid waste landfills, and required for industrial landfills used for disposal of non-inert waste.

Hydrogeologic reports may be submitted prior to submission of this application form.
- X **Request for Location Demonstration Information Regarding Distance from the Nearest Intake Point of a Public Surface Water Supply System[†]**
Attachment 3-2
- X **Location demonstrations (see K.A.R. 28-29-23(d), 102, 302, and Policy 02-02)**
Attachment 3
- X **Agency notifications and requests for comments**
Attachment 4
- X Kansas Biological Survey
 - X Kansas Corporation Commission
 - X Kansas Department of Agriculture - Division of Water Resources
 - X Kansas Department of Wildlife and Parks
 - X Kansas Geological Survey
 - X Kansas State Conservation Commission
 - X Kansas State Historical Society
 - X Kansas Water Office
 - X U.S. Department of the Army - Corps of Engineers
 - X Other US Fish & Wildlife Service
-
- Input from other agencies may be required.
- X **Map and description of abutting properties including location and land use, names and mailing addresses of property owners. If the proposed site is adjacent to a public road, include property across the road.**
Attachments 5 & 6 (Property Survey)
- X **Design drawings and calculations (see K.A.R. 28-29-6, 23, 103, 104, 304, 325)**
Attachment 6
- N/A **Groundwater monitoring plans and reports (see K.A.R. 28-29-111 through 113)**

Required for all municipal solid waste landfills, and required for industrial landfills used for disposal of non-inert waste.

Groundwater monitoring plans and reports may be submitted separate from this application form.
- X **Operations plan (see K.A.R. 28-29-23, 108, 308, 325)**
Attachment 7
- X **Closure and post-closure plans (see K.A.R. 28-29-12, 121, 304, 321, 325)**
Attachment 8
- X **Closure, post-closure, and estimated life worksheets[†]**
Attachment 9

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Closure cost estimate worksheets are required for all applications.

Post-closure cost estimate worksheets are required for all new permits, and for significant modifications (or transfers using this form) when the facility includes groundwater monitoring and/or gas monitoring.

Estimated life worksheets are required for all applications involving municipal solid waste landfills.

- X Construction quality assurance plan (see K.A.R. 28-29-12, 121, 321, 325, and Policy 00-04)
Attachment 10

CQA plans must address construction of waste containment structures (liner/bottom and sides of disposal area, final cover) and permanent controls (storm water control structures, leachate collection systems). CQA plans should specify: responsible parties; types and frequencies of tests and observations; pass/fail criteria; methodology for addressing problems; and CQA report contents (summary of construction activities, representative photographs, field notes, test results, as-built drawings, and P.E. certification that the construction was in accordance with the approved plans (or describe any deviations)). CQA activities should generally conform to U.S. EPA's *Technical Guidance Document: Quality Assurance and Quality Control for Waste Containment Facilities* (EPA/600/R-93/182). CQA plans must be signed and sealed by a Professional Engineer licensed in Kansas.

- X Financial assurance[†] (see K.A.R. 28-29-2101 through 2113)
Attachment 11

- X Liability insurance certificate (see K.A.R. 28-29-2201)
Attachment 12

- X Restrictive covenant[†] (see K.A.R. 28-29-20)
Attachment 13

Submit a draft restrictive covenant for Bureau of Waste Management approval prior to filing it with the Register of Deeds.

- X Notices of intent for storm water discharge (see <www.kdheks.gov/stormwater>)
Attachment 14

Other items may be required if necessary to properly evaluate the application and satisfy state statutes, regulations, policies, and standards. Bureau of Waste Management staff will identify any additional requirements during the review process.

VII. Other facility information:

A. Land characteristics (general description)

Expansion area is vegetated uplands, parts of/adjacent to former quarry currently used for industrial landfill. Phase 3 expansion area includes clean rubble fill and over burden soil from past quarry operation.

B. Estimate existing site acreage devoted to the following uses: (Phase 3)

Heavily wooded 2 acres
Light brush 12 acres
Grasses or pasture _____
Cultivated _____
Cleared or developed 2 acres

C. Estimated acreage to be cleared

Phase 3A -	6.2
Phase 3B -	4.6
Phase 3C -	4.7

D. Proposed method of clearing Clearing operations with scrapers, graders, and other earth moving equipment

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E. Onsite soil classification

7-12 % Sand
46-47 % Silt
40-47 % Clay
 _____ % Other _____

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

Borrow soil will come from the site and/or borrow areas on nearby Muller Construction, Inc. property.

G. Existing/proposed land use within a one-mile radius (attach land use map if available).

	South	West	North	East
Residential	_____	_____	_____	_____
Commercial	_____	_____	_____	_____
Light industrial	_____	_____	_____	_____
Heavy industrial	_____	_____	_____	_____
Agricultural	E	_____	E	E
Mixed	_____	E	_____	_____

Note "E" for existing and "P for proposed.
 Area "unzoned" per Scott Barnhart, County Zoning Director

H. Are there any wells within a one-mile radius? Yes X No _____

If "Yes" list types and legal descriptions Refer to Attachment 3-4 for Water Well Survey

I. Access roads serving site

City _____ State Hwy 166
 Township _____ Interstate _____
 County _____ Other (explain) _____

J. Types of road surface serving the site (indicate whether on or off site)

Concrete _____ Gravel on-site
 Asphalt off-site Crushed stone _____
 Seal coat _____ Dirt _____
 Soil cement _____ Other _____

K. Service Areas

Disposal site to serve:
 City _____ Township _____ County _____ Region _____ Business X

L. Will site be open to the general public? Yes _____ No X

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M. Population data:

Population served by facility: Now N/A Next 10 Years N/A
 Total area population: Now N/A Next 10 years N/A

N. Distance to center of service area

Average haul distance (miles one way) 3

Characteristics of areas adjacent to major haul routes within one-half mile of the site
 (residential, commercial, schools, agricultural, etc.)

Land use - mostly agricultural, limited commercial and residential

O. Utilities (indicate whether on-site or nearby)

Water source (example: water main, bottled water, well) None on-site

Electricity None on-site

Telephone None on-site

Sewer system (example: sanitary, lagoon, septic, privies) None on-site

P. Hours of operation

Days	MON	TUE	WED	THU	FRI	SAT	SUN
Hours	24	24	24	24	24		

Q. Restrictions

Types of solid waste accepted:

Residential Industrial
 Commercial Construction/demolition
 Agricultural Other _____

Types of solid waste not accepted (in disposal area):

Putrescible waste Junked automobiles
 Construction/demolition waste Dead animals
 Appliances Street sweepings
 Electronics Tires
 Asbestos Sewage sludge
 Treated wood Medical services waste
 Other (specify) _____

R. Employees and equipment

Number of employees on site (average daily) One

Equipment on site (normal operations) One dump truck, occasionally one backhoe, front-end loader, or other earth moving equipment

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S. Fire protection available (specify sources)

Water Quarry Pond east and west of Phase 3
 Firebreak _____
 Municipal fire department Coffeyville Fire Department, 6th and Walnut, Coffeyville, KS

T. Tipping fees, other fees

(Optional) List the anticipated tipping fees and other fees (e.g., surcharge for unacceptable waste). These fees are subject to change without notice, at the permittee's discretion. _____

U. Estimated disposal rates

Parameters	Daily			Annually		
	Number of loads	5			1,300	
Types of Waste	MSW	Ind.	C&D	MSW	Ind.	C&D
Total tons		45			11,716	
Total cubic yards		33			8,679	

V. Proposed post-closure site use(s)

- | | |
|---|---|
| <input type="checkbox"/> Wildlife habitat | <input type="checkbox"/> Parking |
| <input type="checkbox"/> Recreational | <input type="checkbox"/> Waste management/recycling |
| <input type="checkbox"/> Pasture | <input type="checkbox"/> Industrial |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Commercial |
| <input type="checkbox"/> Storage | <input checked="" type="checkbox"/> Other |

Describe proposed post-closure use(s): Native Grass Meadow

VIII. Notes:

1. Statutes and regulations, policies, technical guidance documents, forms, and other information are available on the Bureau of Waste Management web site <www.kdhe.state.ks.us/waste>.
2. Call the Bureau of Waste Management at (785) 296-1600 and ask to speak with solid waste permitting staff if you have any questions about landfill requirements.
3. Submit three sets of the completed application form and supporting documents to: Kansas Department of Health and Environment, Bureau of Waste Management, 1000 SW Jackson, Suite 320, Topeka, KS 66612-1366.
4. The following steps occur after an application is received by the Bureau of Waste Management:
 - (a) Preliminary evaluation to determine compliance with statutory requirements in K.S.A. 65-3407(c), (d), and (m).
 - (b) Completeness review in accordance with BWM Policy 04-02.
 - (c) Public meeting per BWM Policy 04-02.
 - (d) Technical review to determine compliance with all statutes, regulations, policies, and standards.

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- (e) Public hearing per K.A.R. 28-29-6a.
- (f) Final decision and processing.

- 5. When a facility receives a permit and begins accepting solid waste for disposal, a \$1.00/ton tonnage fee must be paid to the Kansas Department of Health and Environment. Refer to K.S.A. 65-3415b for rules and exceptions.
- 6. Active facilities must pay an annual permit renewal fee in accordance with K.A.R. 28-29-84. A city, county, or other political subdivision or state agency is exempt from the application and renewal fees.

IX. Applicant's Certification:

I hereby certify that the information in this application and in the supporting documents is true and correct to the best of my knowledge.

Thomas A. Tatum
Signature of Applicant
3/2/2021
Date

THOMAS A TATMAN
Name (Print or Type)
President
Title
Acme Foundry Inc.
Organization

X. Local Government Certifications:

See next page.

LOCAL GOVERNMENT CERTIFICATIONS

Applicant's Name Acme Foundry, Inc.
 Facility Name Acme Foundry Industrial Waste Landfill
 Facility Location E/2, SW/4, NW/4 Section 32, T34S, R17E Montgomery County, Kansas
 Application Type (new permit, modification, or transfer) Modification

As specified in K.S.A. 65-3407 "Permits to construct, alter or operate solid waste processing facilities and solid waste disposal areas", the secretary shall require the following information as part of this application:

Solid Waste Management Plan Consistency

(m)(1) Certification by the board of county commissioners or the mayor of a designated city responsible for the development and adoption of the solid waste management plan for the location where the processing facility or disposal area is or will be located that the processing facility or disposal area is consistent with the plan. This certification shall not apply to a solid waste disposal area for disposal of only solid waste produced on site from manufacturing and industrial processes or from on-site construction or demolition activities.

I certify that, to the best of my knowledge, the facility described in this application is consistent with the Solid Waste Management Plan.

Robert E Bever
 Name (Print or Type) _____ Signature Robert E Bever
Chairman
 Title _____ Date 2-1-2021
Montgomery County
 County or City _____ Street Address P.O. Box 446 State, Zip Code Independence, Kansas 67301

Zoning or Land Use Consistency

(m)(2) If the location is zoned, certification by the local planning and zoning authority that the processing facility or disposal area is consistent with local land use restrictions or, if the location is not zoned, certification from the board of county commissioners that the processing facility or disposal area is compatible with surrounding land use.

I certify that, to the best of my knowledge, the facility described in this application is consistent with (check one):

local land use restrictions/zoning or surrounding land use.

Robert E Bever
 Name (Print or Type) _____ Signature Robert E Bever
Chairman
 Title _____ Date 2-1-2021
Montgomery County
 County or City _____ Street Address P.O. Box 446 State, Zip Code Independence, Kansas 67301

If a special/conditional use permit is required, please attach a copy to this application.