# NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT 18 REILLY ROAD FRANKFORT, KENTUCKY 40601

### APPLICATION FOR A SPECIAL WASTE LANDFILL PERMIT DEP 7094A (5/92)

#### **GENERAL INSTRUCTIONS**

- 1. **USE OF THIS APPLICATION** This form is to be used to apply for a new special waste landfill permit or for a modification of an existing special waste landfill permit.
- 2. **PREPARATION ASSISTANCE** Questions regarding this application form should be directed in writing to the Division of Waste Management, Solid Waste Branch, at the address provided above, or by calling (502) 564-6716.
- 3. **SUBMISSION** Submit the original and three (3) copies of the completed application to the Division of Waste Management at the address provided above. Also, submit the following plans:

1 set folded to 8½ inches by 11 inches; and 2 rolled sets.

If an item cannot be answered, leave it blank. If an item does not appear to be applicable to your application, write "N/A" for "not applicable." The Cabinet may require additional information after this application form is submitted.

4. **LAWS AND REGULATIONS** – Applicants are expected to understand and comply with all laws and regulations applicable to special waste facilities.

## ADMINISTRATIVE INSTRUCTIONS FOR THE ENGINEERING DRAWINGS

- 1. The cover sheet shall bear the professional engineer's seal, original signature, and date.
- 2. The Division requires that the maximum plan sheet not exceed 24" x 36".
- 3. Each plan sheet should have a title block in the lower right corner. The title block should contain: sheet title, facility title, applicant name, address, and the engineering firm's name and address.
- 4. Each plan sheet should have a latest revision date block showing all revision dates.
- 5. Each sheet shall have the appropriate scale to show all required detail.
- 6. The plan cover sheet shall include an index of plans, the facility name, county, and application number. Show each drawing title on the index of plans. The cabinet recommends the use of the page number system suggested in this application.
- 7. Each set of plans shall include a legend of all drafting symbols used.
- 8. All lettering and drafting details shall be legible on reduced scale plans.
- 9. Each plan sheet shall contain a common stationed straight baseline or offset baseline and a north arrow.
- 10. Match lines should refer to the appropriate sheet numbers containing the other corresponding match line.
- 11. The plan sheets should clearly show the 1000 by 1000 foot grids referenced to an established site specific bench mark.
- 12. Show survey grid locations and reference major plan sheets on all cross-sections.

# APPLICATION FOR A SPECIAL WASTE LANDFILL PERMIT

#### SECTION DESCRIPTION

- A. General Information B. Ownership and Past Performance Information C. Operational and Permit Information Siting Information D. E. Design Plans F. Narrative G. Liner Design H. Geologic and Hydrogeologic Information
- I. Soils Information
- J. Construction Quality Control Plan
- K. Recordkeeping and Reporting
- L. Surface Water, Groundwater, and Corrective Action
- M. Closure, Closure Care and Performance Bond
- N. Permit Preparation Information
- O. Public Notices
- P. Certification

### APPLICATION FOR A SPECIAL WASTE LANDFILL PERMIT

A. (	GENERAL IN	FORMATION				
APPLICA	ATION NO.			_ (LEAVE I	BLANK ON FIRST	SUBMISSION)
FEE SUE	BMITTED	\$	COU	JNTY <u>Law</u>	rence	DATE
Method o	of Payment:	X Check	Certifi	ed Check	Money Order	No.
1.	Applicant Ke	entucky Power Comp	any			
	Address 23	3000 Highway 23				
(	City Louisa	1	State	Kentucky	Zip Code	41230
-	Phone No.	( 606 ) 686	-2415			
2.	Name of Facili	ity Big Sandy Pov	ver Plant			
	Address 23	3000 Highway 23				
	City Louisa	1	State	Kentucky	Zip Code	41230
-	Phone No.	( 606 ) 686	-2415			
3.	Operator of Fa	cility (If different	from app	olicant)		
_	Operator is sar	me as Applicant.				
	Address					
(	City		State		Zip Code	
-		( )				
4.	Name of Prope	erty Owner(s)	Property	Owner is same	e as Applicant.	
	Address					
	City		State		Zip Code	
	· <u> </u>	( )	·			
		`				

List information concerning additional property owners in Attachment 1.

5.	List information concerning owners of mineral rights in <b>Attachment 2.</b> Include name of property owners, address city, state, zip code, and phone number.
6.	If an existing special waste landfill, designate the type of modification application:  N/A
	Vertical Expansion Horizontal Expansion
	Closure Groundwater Monitoring
	X Other. Describe Closure of existing fly ash pond not currently regulated under solid
	waste regulations. The facility currently regulated under Clean Water Act and KPDES permit.
7.	Provide, as <b>Attachment 3</b> , a list of all adjacent property owners. Include name, address, city, state, zip code, and phone number.
8.	Provide, as <b>Attachment 4</b> , a copy of the deed or option to the property and a copy of the lease showing a five (5) year right of re-entry following cabinet approved closure of the facility.
9.	Provide, as <b>Attachment 5</b> , a description of the facility's impact on transportation routes, prime agricultural lands, water resources, historic properties, and endangered or threatened species.
10.	List, in <b>Attachment 6</b> , any variances applied for. Include a cite for each regulation for which the applicant proposes to vary.
11.	Provide, as <b>Attachment 7</b> , a notarized statement from applicable jurisdictions that the proposed facility complies with all local planning and zoning laws.
12.	Provide, as <b>Attachment 8</b> , a description of assistance provided by the local fire district.

	Proprietorship	
	Partnership General	Limited
Χ	Corporation	
	Joint Venture	
	Governmental agency. Type	(City, County, State, Federal)
	Other. Describe:	
	owner is a corporation, is it registered with t	ne Kentucky Secretary of State?
If the		
	Yes No	
X	Yes No he applicant and each person meeting the defi	nition of key personnel, provide a Past
X For th		

**NOTE:** DEP Form No. 7094J may be obtained by contacting the Division of Waste Management at the address specified on the "General Instructions" page of this application.

C.	OPER.	ATIONAL AND PERMIT INF	ORMATIC	ON		
1.	Compl	lete the waste information below	and in Atta	chment 10.		
	Estima	ated Average Daily Fill Rate	NA	Tons/Day	NA	Cu.Yds./Day
	Estima	ated Maximum Daily Fill Rate	NA	Tons/Day	NA	Cu.Yds./Day
	Estima	ated Disposal Rate	NA	Tons/Day	NA	Cu.Yds./Day
	Site Li	ife	NA	Years		
	Total S	Site Volume	13.4M	Cubic Yards		
	Number of acres to be filled:		NA	Acres		
	Numb	Number of acres to be permitted		Acres		
2.	For Industrial facilities, complete the following:					
	(a)	List the major U.S. Departme	ent of Comm	erce Standard Inc	lustrial Co	odes.
		(SIC) 4911				
	(b)	Provide, as <b>Attachment 11</b> , the description of the raw materials used for production and the generation process for each waste.				
	(c)	Describe the physical; chemic waste. Also, provide a TCLP				
	(a)	List the major U.S. Departme	ent of Comm	erce Standard Inc	lustrial Co	odes.
3.	Provid	le, as <b>Attachment 13</b> , a list of all	l equipment	that is to be used	at the faci	lity.

#### D. SITING INFORMATION

Provide directions to the site using roads or highways from a commonly known landmark.

1. Big Sandy Plant is approximately 5 miles Northwest of the city of Louisa, Kentucky.

Begin at the intersection of KY 3 and US Highway 23 (US 23) located approximately 1.6 miles northwest of the City of Louisa, Kentucky. Follow US 23 north approximately 5 miles. Enter the project site by turning left off US 23.

2. Center of Landfill Location:

Latitude 38° 10' 49" Longitude 82° 37' 59"

**Nearest Community:** 

Louisa, Kentucky

Nearest Public Road Intersection:

KY 3 and US 23

Nearest Named Stream:

Blaine Creek

- 3. Provide an original current USGS 7.5 minute topographic map, as **Attachment 14**, showing the existing or proposed waste boundaries and property boundaries. Show the location of the following features located within a one-mile radius of the waste boundaries:
  - a. all surface water intake and discharge structures
  - b. all waste management, storage, processing, or disposal facilities
  - c. all injection wells
  - d. all wells, springs, ephermal, intermittent, and perennial streams, other surface water bodies, and drinking water wells
  - e. airports
  - f. fault areas
  - g. sinks or sinkholes

4.	(a)	Show the following on a site map of a scale $1'' = 400''$ for existing or proposed facilities and label as <b>Attachment 15</b> . (Check blanks, if applicable):
		X Property lines
		X Adjacent property owners
		X Permit area
		X Fill area
		X Surrounding residences (within 1500' of waste boundary)
		X 100-year floodplain
		Mine works
		Un-Plugged wells
		X Gas, sewer and water lines
		Cultural or historic resources listed, or eligible for listing on the Natural Register of Historic Places
		Known archaeological sites
		Critical habitats of federally protected threatened and endangered species
		X Wetlands
	(b)	Provide, as <b>Attachment 16, 17, and 18</b> , the published information to confirm the presence or absence of archeological sites, critical habitats and wetlands, respectively.
5.		e a general county highway map published by the Kentucky Transportation Cabinet ng the location of the site label as <b>Attachment 19</b> .
E.	DESIC	GN PLANS
Subm	it an origi	inal and 3 copies of the plans showing the design of the site. Label as <b>Attachment 20</b> .
Numb	er the dra	awings as follows:
	1.	A drawing of the entire site on one sheet showing:

• Current site conditions

- Site development plan including buffer zones
- Location of monitoring points for:
  - Surface Water
  - Groundwater
  - Methane; and
  - Baselines

2.

		Development Plan	
		<ul> <li>Location of monitoring points</li> </ul>	
		Baseline or off-set baseline	
	3.	Cross-Sections at:	
		• 100-foot intervals	
		• Vertical scale of 1 inch = 10 feet	
		• Horizontal scale of 1 inch = 100 feet	
	4.	Drawing of the profile along each baseline.	
	5.	Proper site development including the sequence of filling (i.e. units, phases, wo areas).	rking
	6.	Construction details.	
	7.	Include typical details for the following features of the cell:	
		• Lifts	
		• Liners (if required)	
		• Final Cover	
F.	NARI	RATIVE	
1.	(a)	Will waste be placed within 250 feet of an intermittent or perennial stream?	
		X Yes No	
	(b)	If yes, enclose the 401 Water Quality Certification that has been issued pursuan KAR 5:029 through 5:031. Label as <b>Attachment 21.</b>	nt to 401
2.	Is the	e waste disposal area within:	
	(a)	The zone of collapse of deep-mine workings or within the critical angle of draw	v?
		YesX No	
	(b)	250 feet of a karst terrain feature? Yes X	_ No
	(c)	100 feet of the property line? Yes X	_ No
	(d)	250 feet of a residence? Yes X	No
	(u)		_ 110
	(e)	50 feet of a gas, sewer, or water line?  Yes  X	

Site plans drawn to 1 inch = 100 feet (or Cabinet-approved alternative scale) showing:

3.	Is the depth to the seasonal high groundwater table to the bottom of the liner system or the waste for those residual landfills without liners four feet or greater?				
	XYesNo				
4.	(a) Does the leachate analysis indicate the presence of any metal in excess of drinking water standards?				
	YesX_ No				
	(b) If yes, will the depth from the bottom of the waste to the seasonal high groundwater table exceed 5 feet?				
	XYesNo				
5.	(a) Is this proposed site located in the 100-year floodplain?				
	YesX No				
	(b) If yes, enclose a report describing how you will meet Section 2 of 401 KAR 30:031 concerning floodplains. Label as <b>Attachment 22</b> .				
6.	Is any proposed waste cell within 200 feet of a fault that has had displacement in holocene time?				
	YesX No				
7.	Enclose as <b>Attachment 23</b> , a description of the surface water controls which meet the Environmental Performance Standards.				
8.	Describe, in <b>Attachment 24</b> , the potential for gas emissions and odors based on the waste characteristics and the proposed landfill design. If applicable, describe the proposed explosive gas monitoring program.				
9.	Describe, in <b>Attachment 25</b> , the procedures to control access by the public.				
10.	Describe, in <b>Attachment 26</b> , how the applicant will comply with working face requirements.				
11.	Complete the information requested below for placement on the landfill sign at the landfill entrance as required by 48:090 Section 14:				
	Landfill Name Big Sandy Plant—Ash Pond Closure				
	Name of Owner Kentucky Power				
	Name of Operator Kentucky Power				
	Hours to Receive Waste 24 hr/day to N/A				
	Days to Receive Waste 7 days/week to N/A				
	Permit Number (to be assigned by Division upon Permit Issuance)				
	Emergency Telephone Number ( <u>606</u> ) <u>686-2415</u>				

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- 1. If applicable, submit, as **Attachment 27**, the design specifications for the bottom liner.
- 2. Enclose the risk analysis study showing how the proposed bottom liner design will meet the environmental performance standards of 401 KAR 30:031, specific attention should be given to Sections 5 and 6 of 401 KAR 45:160 concerning protection of groundwater. Label as **Attachment 28**.

#### H. GEOLOGIC AND HYDROGEOLOGIC INFORMATION

- 1. Provide, in **Attachment 29**, a description of the type, texture, thickness, and range in thickness of unconsolidated materials within the disposal area.
- 2. Provide the following information for the regional bedrock geologic structure.

Strike and dip of bedrock N55°E, 0.95°NW
Attitude of faults N/A
Location of faults relative to the site N/A – None are depicted on the geologic mapping.
Has fault displacement occurred in holocene times? Yes X No
Attitude of folds? N/A
Location of fold relative to site
Jointing trends No published data
·

3.	Provide the following	information for	r the site specific geologic structure.	
	Strike and dip of bedro	ock Generall	lly horizontal bedding features	
	Attitude of faults	N/A		
	Location of faults rela	tive to the site	N/A	
	_	t occurred in ho	olocene times? YesX No	
	Location of fold relati			
	Jointing attitudes Do	ominant N40°E &	 & N45°W	
	Location of faults rela		N/A	
	Has fault displacemen Attitude of folds?		olocene times? YesX No	
	rititude of folds.	14/7		
	Location of fold relati	ve to the site	N/A	
	Jointing attitudes Se	e ahove		
			phic unit and location	
4.		nt 30, a descrip	otion of the influence of fracture zones on the infiltration a	and
5.	exaggeration using pu	blished data, be ely illustrate the	num of two (2) geologic cross sections drawn with vertical edrock outcrops and rock core boring information. This he geology of the site and include the season high	
6.	List on <b>Attachment 3</b> the site.	2, any extractab	ble coal seams or other minerals of economic value benea	.th

- 7. List on **Attachment 33**, any active or inactive deep mines located within 1,500 feet of the waste boundaries.
- 8. Provide, as **Attachment 34**, all rock core log data.
- 9. Provide, as **Attachment 35**, a map of geologic features and rock coring locations for the waste disposal site, including the area 1,500 feet beyond the waste boundary. This map is to be of a scale of one (1) inch equals four hundred (400) feet. Include the following information:
  - Geologic units
  - Rock outcrop
  - Surface depressions
  - Sinkholes
  - Springs
  - Injection wells
  - Water withdrawal wells
  - Surface Contours
  - Location of rock corings
  - Legend to include symbols
  - Bar scale
  - Date
  - North arrow

10. Provide, as **Attachment 36**, a hydrogeologic characterization of the site. This characterization must include data procedures, calculations, and the following information:

A description of the hydrogeologic characteristics of the:

- Uppermost aquifer
- Geologic units hydraulically connected to the uppermost aquifer

#### Field Test Data for:

- Hydraulic conductivity
- Storage coefficient
- Transmissivity
- Groundwater hydraulic gradient
- Groundwater hydraulic velocity

#### Based on:

- Multiple well aquifer tests
- Piezometer test evaluation
- Core evaluation
- Tracer studies (Karst Areas)
- Another cabinet-approved method

#### Characterization of karst conditions for:

- Diffuse flow conditions
- Discrete flow conditions
- List, on **Attachment 37**, all springs and upgradient wells.

#### I. SOILS INFORMATION

- 1. List, on **Attachment 38**, the type, thickness, and range in thickness of unconsolidated materials. The applicant may submit a cross-section in lieu of completing attachment.
- 2. Show, on **Attachment 39**, a soils inventory consisting of a description of the total volume and source of borrow material available, the total estimated volume and source of required daily cover, interim cover, long-term cover, final cover, and low permeability soils.

Also, show the soils as determined by the approved site investigation: location, depth, thickness, classification of soils for engineering purposes, particle size distribution, Atterberg limits, optimum moisture, permeability, and recoverable volume in compacted cubic yards for each soil classification and permeability.

3. Provide, as **Attachment 40**, a soils inventory map at a scale of one (1) inch equals 400 feet, depicting the distribution of the soils that is keyed to a list of the soils by engineering classification. The approximate volume and depth of each type of soil shall be recorded on the map.

#### J. CONSTRUCTION QUALITY CONTROL PLAN

1. Describe, in **Attachment 41**, the Construction Quality Control (CQC) Plan as required by 45:110 Section 2.

#### K. RECORDKEEPING AND REPORTING

1. Enclose, as **Attachment 43**, the landfill recordkeeping and reporting system. The applicant may use the record keeping forms provided by the Cabinet or submit a different form for review by the Cabinet.

#### L. SURFACE WATER, GROUNDWATER, AND CORRECTIVE ACTION

- 1. Submit, as **Attachment 43**, the Surface Water Monitoring Plan as required by 401 KAR 45:110 and 401 KAR 45:160. At a minimum, the plan must include:
  - a. The proposed locations of the monitoring points shown on the site plans.
  - b. A written description of how the monitoring point locations ensure that sampling will characterize the quality of the water unaffected by the landfill, as well as determining if water leaving the landfill as surface drainage is contaminated with leachate.
  - c. A description of sampling protocol and analytical parameters.
  - d. A monitoring schedule and list of analytical parameters.
  - e. A sample form for reporting results of the analyses to the Division.
  - f. Documentation that the applicant currently holds or has applied for a K.P.D.E.S. permit for all structures to be used to control stormwater run-off and all point source discharges.
  - g. Provide the information requested in **Attachment 43A**, concerning location of the monitoring points.
- 2. Submit, as **Attachment 44**, a Groundwater Monitoring Plan hat meets the requirements of 401 KAR 45:110 and 401 KAR 45:160. At a minimum that plan must provide the following information:
  - a. A list and description of the specific aquifer(s) proposed for monitoring.
  - b. The number, location, and depth of proposed monitoring points. Show the locations of the monitoring points on the site plans.
  - c. Provide a brief discussion of the groundwater quality that currently exists based on the Groundwater Quality Characterization required by 401 KAR 45:160.
  - d. Provide a Groundwater Sampling and Analysis Plan which describes the procedures and techniques designed to accurately measure groundwater quality upgradient and downgradient of the waste disposal area. Include a discussion regarding the chain of custody, as well as field and lab quality assurance and quality control.
  - e. Provide a monitoring schedule and list of analytical parameters in accordance with 401 KAR 45:160 Section 8.
  - f. Provide monitoring well construction specifications which meet the requirements of 401 KAR 45:160 Section 3.

	g.	Is the proposed special waste disposal site located in karst terrain?
		YesX No
	h.	If yes, the groundwater monitoring plan must include dye trace studies to determine the nature and extent of karst drainage beneath the site and proposed monitoring locations.  Provide the information requested in <b>Attachment 44A</b> , concerning proposed well locations and depth.
M.	CLOS	URE, CLOSURE CARE AND PERFORMANCE BOND
1.		it, as <b>Attachment 45</b> , the specifications of the closure cap as required by 45:110 Section 5 01 KAR 30:031.
2.	enviro	cants must enclose the risk analysis study showing how the proposed cap will meet the immental performance standards of 401 KAR 30:031, especially Sections 4, 5, and 6 rning surface and groundwater. Address each of the factors listed in 401 KAR 45:110 in 5. Label as <b>Attachment 46.</b>
3.	Subm	it, as Attachment 47, the closure plan as required.
4	Cuhm	it, as <b>Attachment 48</b> , the post-closure plan as required by 45:110, Section 5.
4.	Subili	is, as recuention to, the post crosure plan as required by 15.110, section 5.
N.		IIT PREPARATION INFORMATION
		IIT PREPARATION INFORMATION
N.	PERM Engin	IIT PREPARATION INFORMATION
N.	PERM Engin	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958
N.	PERM Engin Kentu	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958
N.	PERM Engin Kentu Addre	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958 ss 1375 Euclid Avenue, Suite 600
N.	PERM Engin Kentu Addre	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958 ess 1375 Euclid Avenue, Suite 600 Cleveland State Ohio Zip Code 44115-1808 any Name URS Corporation (on behalf of Kentucky Power)
N.	Engin Kentu Addre City Comp	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958 ess 1375 Euclid Avenue, Suite 600 Cleveland State Ohio Zip Code 44115-1808 any Name URS Corporation (on behalf of Kentucky Power)
<b>N.</b> 1.	Engin Kentu Addre City Comp	eer Thomas Kovacic, P.E. (Consultant)  cky Registration No. 20958  ss 1375 Euclid Avenue, Suite 600  Cleveland State Ohio Zip Code 44115-1808  any Name URS Corporation (on behalf of Kentucky Power)  No. ( 216 ) 622-2400  gist or Geotechnical Engineer Dennis Connair, PG (Consultant)
<b>N.</b> 1.	Engin Kentu Addre City Comp Phone Geolo	eer Thomas Kovacic, P.E. (Consultant)  cky Registration No. 20958  ss 1375 Euclid Avenue, Suite 600  Cleveland State Ohio Zip Code 44115-1808  any Name URS Corporation (on behalf of Kentucky Power)  No. ( 216 ) 622-2400  gist or Geotechnical Engineer Dennis Connair, PG (Consultant)
<b>N.</b> 1.	Engin Kentu Addre City Comp Phone Geolo Addre City	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958 ss 1375 Euclid Avenue, Suite 600 Cleveland State Ohio Zip Code 44115-1808 any Name URS Corporation (on behalf of Kentucky Power) No. (216) 622-2400 gist or Geotechnical Engineer Dennis Connair, PG (Consultant)
<b>N.</b> 1.	Engin Kentu Addre City Comp Phone Geolo Addre City	eer Thomas Kovacic, P.E. (Consultant) cky Registration No. 20958 ess 1375 Euclid Avenue, Suite 600 Cleveland State Ohio Zip Code 44115-1808 eany Name URS Corporation (on behalf of Kentucky Power) e No. ( 216 ) 622-2400 gist or Geotechnical Engineer Dennis Connair, PG (Consultant) ess 525 Vine Street, Suite 1800 Cincinnati State Ohio Zip Code 45202 eany Name URS Corporation (on behalf of Kentucky Power Company)

3.	Indicate the individual(s) authorized to make any necessary corrections to this application and to receive related correspondence from the Division:
	Name(s) Marvin "Marty" Leedy – Principal Environmental Specialist
	Address 1 Riverside Plaza – 22nd floor
	City Columbus State Ohio Zip Code 43215
	Phone No. ( 614 ) 716-1219
О.	PUBLIC NOTICE
1.	Public notices are required for a new site or a significant expansion to an existing site in accordance with KRS 224.40-310. Draft notices are found in <b>Attachments 49 and 50.</b> Complete the public notice forms; however, only those applicants notified by correspondence from the Cabinet may publish the notices.
P.	CERTIFICATION
	Refer to cover letter for certification.
	"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted in, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations."
	Original Signature of Responsible Official Date
	Typed Name of Responsible Official Title
	Name of Applicant, i.e. Corporation or Unit of Government
	Subscribed and sworn to before me by
	Notary Public Signature
	My Commission Expires

ATTACHMENT 10 ANTICIPATED SPECIAL WASTE SOURCES, CHARACTERISTICS, AND AMOUNTS							
SOURCE FACILITY NAME AND LOCATION	SPECIAL WASTE DESCRIPTION	ANNUAL QUANTITY RECEIVED (Cu.Yds.)	ANNUAL QUANTITY RECEIVED (Tons)				
Not applicable. No wastes are anticipated to be generated and/or placed at the facility	Facility currently contains wet fly ash from air pollution control systems from the Big Sandy Plant.	0	0				

#### ATTACHMENT 43A SURFACE WATER MONITORING PLAN

Provide the information requested below:

Monitoring Station I.D.	Location Description	Latitude	Longitude

# ATTACHMENT 44A GROUNDWATER MONITORING WELL LOCATION AND DEPTH

Provide the information requested in the chart below:

MONITORING STATION I.D.	LATITUDE	LONGITUDE	STATION TYPE WELL OR SPRING	AQUIFER	ELEVATION OF SPRING OR TOP OF WELL CASING	DEPTH OF WELL	DEPTH OF WATER

#### ATTACHMENT 49 PUBLIC NOTICE

PURSUANT TO APPLICATION NUMBER:
The Natural Resources and Environmental Protection Cabinet, Division of Waste Management, has received a special waste landfill permit application from:
Name of Applicant Kentucky Power Company
Name of Facility Big Sandy Power Plant
Address 23000 Highway 23
City Louisa State Kentucky Zip Code 41230
This application, if approved, would allow the construction of the landfill to accept the following types of waste and the following activities:
If approved, this would allow the closure of the existing fly ash pond. Closure would be accomplished through the
construction of a cap system and associated infrastructure.
The proposed landfill may be accessed from Louisa, Kentucky
by traveling
Begin at the intersection of KY 3 and US 23 located approximately 1.6 miles northwest of the City of Louisa,
Kentucky. Follow US 23 north approximately 5 miles. Enter the project site by turning left off US 23.
Additional information regarding this application may be obtained from:  Contact Person Mr. Thomas E. Webb, P.E., P.S.  Address 1 Riverside Plaza - 22
City Columbus State Ohio Zip Code 43215
Phone No. ( 614 ) 716-1266

The permit application is being processed at the following location:

Division of Waste Management Solid Waste Branch 18 Reilly Road Frankfort, Kentucky 40601

Within thirty (30) days of the publication of this notice, application may submit written comments, and, if desired	· • • •
Pleaser refer to Application No.	on all correspondence.
Publication pursuant to KRS 224.40-310.	

# ATTACHMENT 50 PUBLIC NOTICE

Р	URSUANTT	O APPLICATIO	ON NUM	1BER:		
		Environmental P dfill permit appli				Management, has permit for:
Name o	of Applicant	Kentucky Pow	ver Comp	any		
Name o	of Facility	Big Sandy Power	Plant – U	nit 2		
Addres	ss <u>23000 High</u>	ıway 23				
City	Louisa		State	Kentucky	Zip Code	41230
This application waste and the		•	he constr	ruction of the l	landfill to accept	the following types of
If approved, this	s would allow th	e closure of the ex	kisting fly	ash pond. Clos	sure would be acc	omplished through the
construction of a	a cap system ar	nd associated infra	astructure	).		
The proposed	landfill may b	e accessed from	Louisa	a, Kentucky		
by traveling _						
Begin at the inte	ersection of KY	3 and US 23 locat	ed appro	ximately 1.6 mil	es northwest of th	e City of Louisa,
Kentucky. Follo	ow US 23 north	approximately 5 m	niles. Ent	er the project si	ite by turning left o	off US 23.
	Ü	rding this applic Mr. Thomas E. We		-	from:	
Addres	ss 1 Riverside	Plaza - 22				
City	Columbus		State	Ohio	Zip Code	43215
Phone	No. (	614 ) 716-1	1266			

Publication pursuant to KRS 224.40-310.

		ed by the applicant and other during normal business ho		_	* *	on are available for
	Office	Division of Waste Manageme	ent			
	Address	18 Reilly Road				
	City Fra	ankfort	State	Kentucky	Zip Code	40601
The pe	Division Solid W: 18 Reilly	cation is being processed at of Waste Management aste Branch y Road rt, Kentucky 40601	the follo	owing location:		
	lic hearing on and time Place	has been scheduled to rece	vive publi	ic comments and w	vill be condu	acted at the following
	Address					
	City		State		Zip Code	
	From		to			
file co public	mments wation of thi	wishes to comment on the rith the Cabinet and, if des notice pursuant to Section	sired, red	quest a public hea 1 KAR 45:050.	ring within	thirty (30) days of the
Please	r reter to A	onnlication No			on all corres	spondence