



University of Kentucky **UKnowledge**

Agricultural Engineering Extension Updates

Biosystems and Agricultural Engineering

1996

Permitting Procedures for Operation of Liquid Livestock Waste Handling Facilities

J. L. Taraba University of Kentucky

R. M. Williams University of Kentucky

Right click to open a feedback form in a new tab to let us know how this document benefits you.

Follow this and additional works at: https://uknowledge.uky.edu/aeu_reports



Part of the Bioresource and Agricultural Engineering Commons

Repository Citation

Taraba, J. L. and Williams, R. M., "Permitting Procedures for Operation of Liquid Livestock Waste Handling Facilities" (1996). Agricultural Engineering Extension Updates. 21. https://uknowledge.uky.edu/aeu_reports/21

This Report is brought to you for free and open access by the Biosystems and Agricultural Engineering at UKnowledge. It has been accepted for inclusion in Agricultural Engineering Extension Updates by an authorized administrator of UKnowledge. For more information, please contact UKnowledge@lsv.uky.edu.



Agricultural Engineering Update













y Safety

Crop Processing

Power & Machinery

AEU 64

Permitting Procedures for

Operation of Liquid Livestock Waste

Handling Facilities

J.L. Taraba and R.M. Williams

Owners and operators of livestock waste management facilitates should be aware that livestock wastes have been identified as a source of pollutants in Kentucky streams. In order to protect these water sources a number of laws and regulations have been inplemeted to restrict the discharge of pollutants from point sources into the waters of the commonwealth. The Division of Water (DOW) is a division of the Kentucky Natural Resources and Environmental Protection Cabinet, Department for Environmental Protection and operates under authority set forth in the Federal Water Pollution Control Act and Kentucky Revised statute 224. The DOW is specifically charged with abating existing pollution, more specifically from KRS 224.70-110: "No person shall directly or indirectly throw, drain, run or otherwise discharge (pollutants) into the waters of the Commonwealth." The (KPDES)* program requires permits for the discharge of pollutants from point sources into the waters of the Commonwealth (401 KAR 5.029 defines surface waters). Administrative regulations written to enforce the state statutes tend to be written for industrial and municipal discharge of waste into streams.

Permitting procedures written to abate pollution from animal production facilities have also been established by the Division of Water and are specifically included under these permitting requirements (401 KAR 51060). Concentrated animal feeding operations (see criteria in attached, page 15a) are considered to be point sources of pollution. Non-point source agricultural activities are specifically excluded so long, they do not cause a violation of

- Kentucky Pollution Discharge Elimination System
- National Pollution Discharge Elimination System.

stream quality standards (401 KAR 51:031); however, the director of the Division of Water may designate any animal feeding operation as a concentrated animal feeding operation upon determining that it is a significant contributor of pollution to the waters of the Commonwealth.

Operators of animal waste facilities may apply for a KPDES discharge permit; however, due to application fees, monitoring and testing costs as well as the monitary cost resulting from the loss of valuable plant nutrients, a no discharge system is likely to be the most cost effective. An NPDES" discharge permit may also be required if the discharge is into navigatable waters. Kentucky administrative regulations defines an agricultural waste handling system as a no discharge structure or equipment that conveys, stores or treats manure from a concentrated feeding operation prior to land application. The no discharge permitting procedures administered by the Division of Water assumes that the animal waste will eventually be distributed on the farm in a manner which does not result in pollution of area water sources. Sufficient land must be available for the disposal of both solid waste and excess waste water from the facilities in amounts that do not exceed agronomic values and do not contaminate surface or ground waters.

The U.S. Soil Conservation Service (SCS) is currently providing engineering design services for no discharge facilities at no cost to the farmer. This includes an animal manure disposal plan. Financial assistance is available through the U.S. Agricultural Stabilization and Conservation Service (ASCS). In order to be eligible for the financial assistance, the operation must be at least 5 years old and have no previous record of environmental citings. The farmer must also agree to a 10 year maintainence agreement. The local ASCS office can provide further details.

Obtaining the Permits

Permitting procedures for constructing and operating animal waste handling facilities have been established by the state Division of Water permit section. A copy of these procedures may be obtained from the DOW or the SCS. Sample permit applications and approval letters are included in the attachment. The permits are required of anyone who plans to construct or install a manure handling system for a confined feeding operation with or without the assistance of the SCS.

A landowner seeking an operators permit for a waste handling facility must first obtain preliminary site approval from the Division of Water district The inspector from the district office will conduct a site survey to determine acceptability of the site. The preliminary survey may reveal problem areas and could save considerable time and money. For example, sites located in a karst area may be unacceptable or require special restrictions. The next step is to obtain a design, and submit the design criteria to the DOW central office. After a review of the design criteria, the Division of Water will issue a construction permit which provides general and site specific conditions. Upon completion of construction, a copy of the as built plans must be sent to the DOW central office. As built plans show any changes to the original plan which may have occurred during construction, the DOW reviews these final plans and issues a no discharge operating permit which may include additional conditions and The operating permit must be renewed after five years. restrictions. Approximately two months prior to expiration of the operating permit, DOW will send a letter to the operator indicating the date of expiration. Permit renewal application forms will be included as attachments to the letter.

Existing manure handing facilities can receive an operating permit under existing permitting procedures; however, the facility should be operated as a no

discharge facility. An onsite inspection by the DOW may be required to determine if the facility could or should be operated under the permit program. In order to continue operating as a no discharge facility, an application for a permit to operate a waste water facility (short form B) and an application for a Kentucky No Discharge operational permit (Form ND) must be submitted to the DOW. If the facility design is acceptable, the DOW will issue an operating permit.

DIVISION OF WATER

ANIMAL WASTES HANDLING FACILITIES

PERMITTING PROCEDURES

- STEP 1. Landowner contacts Soil Conservation Service and submits "preliminary site approval" request form with site map (Page 2) to Divison of Water District Office (Page 3).
- STEP 2. Division of Water District Office inspector conducts site survey and sends report to Division of Water Central Office.
- STEP 3. If site is acceptable, then Division of Water Central Office issues "preliminary approval letter" with recommendations (if any) (Page 4). Copy is also sent to appropriate Soil Conservation Service Area Office.
- STEP 4. Soil Conservation Area Office designs wastes handling facility and sends design criteria to Division of Water Central Office along with "Short Form B" (Page 5) signed by landowner.
- STEP 5. Division of Water Central Office issues construction permit with general and site specific conditions (Page 6). Copy is sent to Soil Conservation Service Area Office.
- STEP 6. Owner constructs/installs waste handling facility and Soil Conservation Service Area Office sends "as built" plans to Division of Water Central Office.
- STEP 7. Division of Water Central Office issues "no discharge" operational permit (Page 7) to Owner.

ANIMAL WASTE STRUCTURE

CONSTRUCTION PERMIT

WHO MUST APPLY: Anyone who plans to CONSTRUCT or INSTALL a MANURE HANDLING SYSTEM

for a CONFINED FEEDING operation.

(With or without the assistance or the Soil Conservation Service.)

MINUMUM REQUIREMENTS: Every system shall be designed to keep all manure and other wastes

out of STREAMS and GROUNDWATER.

Excess accumulated wastes shall be applied to suitable farmland.

HOW TO APPLY: Complete the "Preliminary Site Approval" request form (on back) and sent it to

the Division of Water (DOW) office in your district.

(Contact your local SCS representative to determine which DOW district includes

your county or call the Wastewater Section at (502) 564-3410.

PROCEDURES: -Within 2-3 weeks a DOW representatives will conduct a site survey. If acceptable, a

preliminary approval letter is issued, and the project is designed.

-Within 1-2 weeks after design work is completed, a permit to construct is issued.

MORE INFORMATION: *Division of Water - Doug Allgeier (502) 564-3410.

*Soil Conservation Service - local representative or central office at (606)

233-2754.

*County Extension Service (UK) - local representative <u>or</u> Joe Taraba (606)

258-5696.

DIVISION OF WATER APPLICATION FOR PRELIMINARY SITE APPROVAL

(to be sent to the Division of Water District Office)

DATE: _____

No Discharge	DATE:
Agricultural Projects	
To be completed by confined animal production facil	ities
Please print or type.	
Name and address of applicant	
A. Legal name of applicant	
B. Mailing address of applicant	
1. Street, route, or P. O. Box No.	
2. Gty or town	
3. County	
4. State	Zip Code
C. Telephone number	ER .
Description of proposed operation	
	Approximate number
A. Type of animal	of animals on site
B. Planned method of wastes storage	
C. Approximate number of acres available for land ap	pplication of wastes
3. Attach a copy of the U.S. Geological Survey (USGS) Ma the land to be used for manure disposal. Be sure to ide	

DIVISION OF WATER REGIONAL OFFICES

Bowling Green Regional Office 12 1508 Westen Avenue Bowling Green, KY 42104 (502) 843-5475 ATTN: Mr. Robert Adams Allen Grayson Ohio Barren Hart Simpson Butler Logan Warren Edmonson	London Regional Office 17 85 State Police Rd. Reg.St. Office Bldg. London, KY 40741 (606) 878-0610, Ext. 303 ATTN: Mr. James Sproles Bell Knox Owsley Clay Laurel Rockcastle Harlan Leslie Whitley Jackson McCreary
Columbia Regional Office 13 106 Burkesville Street P.O. Box 335 Columbia, KY 42728 (502) 384-4734 ATTN: Mr. Jimmie D. Hankins Adair LaRue Pulaski Boyle Lincoln Russell Casey Marion Taylor Clinton Metcalfe Washington Cumberland Monroe Wayne Green Nelson	Louisville Regional Office Louisville, KY (502) ATTN: Mr. Mike Mudd Breckinridge Meade Bullitt Oldham Hardin Shelby Jefferson Spencer
Florence Regional Office 15 7964 Kentucky Drive, Suite #8 Florence, KY 41042 (606) 292-6411 ATTN: Mr. Kevin Flowers Boone Gallatin Owen Bracken Grant Pendleton Campbell Henry Trimble Carroll Kenton	Madisonville Regional Office 20 800 North Laffoon Street Madisonville, KY 42431 (502) 825-6529 ATTN: Mr. Donald Hayes Caldwell Hancock Muhlenberg Christian Henderson Todd Crittenden Hopkins Union Daviess McLean Webster
Frankfort Regional Office U.S. 127 South Annex, Suite 2 1049 U.S. Highway 127 South Frankfort, KY 40601 ATTN: Mr. Fred Claus Anderson Fayette Jessamine Nicholas Bourbon Franklin Madison Powell Clark Garrard Mercer Robertson Estill Harrison Montgomery Scott Woodford	Morehead Regional Office 22 Mabry Bldg., KY 32 South Morehead, KY 40351 (606) 784-6635 ATTN: Mr. Lonnie Castle Bath Fleming Mason Boyd Greenup Menifee Carter Lawrence Morgan Elliott Lewis Rowan
Hazard Regional Office 16 233 Birch Street, Suite 1 Hazard, KY 41701 (606) 439-2391 ATTN: Mr. Gene Blair Breathitt Knott Magoffin Pike Floyd Lee Martin Wolfe Johnson Letcher Perry	Paducah Regional Office 24 1390 Irvin Cobb Drive Paducah, KY 42001 (502) 444-8298 ATTN: Mr. Marvin Stegmann Ballard Fulton Livingston Trigg Calloway Graves Lyon Carlisle Hickman Marshall

ARL H. BRADLEY



COMMONWEALTH OF KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601
January 22, 1991

Mr. Wayne Schlabach 6800 Old Railroad Lane Guthrie, Kentucky 42234

Dear Mr. Schlabach:

We have considered your request to construct an agricultural waste treatment works to serve a dairy farm in Todd County.

We concur in this proposal as a no discharge system provided adequate land is available for land application of excess wastewater. Irrigation on adjacent land shall be a sufficiently low rate so as to avoid runoff to surface waters.

This letter does not approve the design details or capacity of the treatment system and does not authorize construction of these facilities.

If application for construction of the proposed facilities is not received within one (1) year from date above, this concurrence shall become null and void, and prior to further consideration, to allow for reassessment of the existing and proposed developments within the area, the proposal shall be resubmitted for review.

Final approval of this project will be subject to the rules and regulations set forth by this Cabinet for the submission of acceptable plans and specifications, as well as the necessary legal documents.

Sincerely,

Ronnie Thompson, KPDES Permit Writer

Industrial Section

KPDES Branch

Division of Water

RT:bc

cc: Donnie E. Owen, SCS
Madisonville Regional Office

Todd County Health Department

Division of Water Files

SHORT FORM B - ANIMAL WASTES MANAGEMENT

SPECIFIC INSTRUCTIONS

WHO MUST APPLY:

The owner or operator of any facility as described below or any facility which the Director of the Division of Water considers to be a significant pollution problem. Final determination on the need for a permit will be based upon a review of the application and, in many instances, site visits.

ANIMAL PRODUCTION FACILITIES:

1. A facility that has or may have a discharge, providing a confined area for feeding or holding animals, but not including areas used for growing crops or vegetation for animal feed, which holds or during the previous 12 months held for a total of 30 days or more, any of the following animals:

Slaughter & Feeder cattle

Mature dairy cattel - milker and dry

All swine over 55 pounds

Sheep

Turkeys - in open lots

Ducks

Laying hens and broilers

Facilities with continuous overflow

Facilities with liquid manure handling systems*

- *Any system where the manure is collected, stored, or transported utilizing liquid manure conveyance by gravity flow or pumping system.
- 2. Owners or operators, whether individuals, partnerships, or corporations, with more than one confined animal production facility located on adjacent or nearby properties, where:
 - (A) Such facilities utilize a common waste control system or disposal area, and
 - (B) The total number of animals or combination of animals in the individual operations exceeds the above animal limits.
- 3. Voluntary filing. None of the above requirements preclude the voluntary filing of an NPDES application by the owner or operator of an agricultural or silvicultural activity.

INSTRUCTIONS FOR INDIVIDUAL ITEMS:

Section I - General

Item 1. Internal Use Only.

Item 2. Give the name, as it is legally referred to, of the person, firm, public organization, or any other entity which owns or is directly responsible for the facility or activity described in this application. This may or may not be the same name as

- the facility or activity producing the discharge. Do no use colloquial names as a substitute for the official name.
- Item 3. Give the complete mailing address of the applicant's main office. This oftern will not be the same address used to designate the location of the facility or activity.
- Item 4. Give the name, title, address, and telephone number of a person who is thoroughly familiar with the facts reported on the forms and can be contacted by reviewing offices if necessary.
- Item 5. Indicate whether the facility is existing (currently operating) or proposed (to be operating in the future).
- Item 6. For an existing facility, give the date construction was completed for its current capacity. The expected completion date should be given if the facility is currently under construction or planned.
- Item 7. Directions should use known landmarks and route numbers if possible.
- Item 8. Self-explanatory.
- Item 9. Self-explanatory.

SECTION II - Animal Confinement and Feeding Facilities

- Item 1. Give the largest number of each type of animal held by the facility for 30 days or more during the previous 12 months. If possible, use the same designations for the types of animals as was listed at the beginning of these instructions under "Who Must Apply".
- Item 2. Give only the area used for the animal confinement or feeding facility. Do not include area used for growing or preparing feed.
- Item 3. Give acres of land that are owned or leased by the facility for manure disposal.
- Item 4. Indicate in 4.A whether the animals are entirely in the open, totally under roof, or partially under roof. Indicate in 4.B the percentages of the lot that is roofed versus that which is open.
- Item 5. If the facility is planned to be expanded in the future, give the expected date for this expansion and the new total capacity by type and number of animals.

SHO	ORT FORM A, (B) C, or D
	To be completed by any facility that generates and/or treats a wastewater.
	Please print or type
	I. GENERAL
1.	Permit No. (leave blank) 1-8
2.	Applicant Name:
	1A,21 9-10
3.	Applicant Mailing Address: (St. No./R.R. No./P.O. Box No., etc.)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	City/Town;
	1A,31 1 1 1 - 40
	State: 1 1 Zip: 1 1 1 Telephone Number: 1 1 1 1 (w/area code) 46-57
	Facility Name:
	1A,41 1 11~45
	Facility Location:
	L
	City/Town:
	1A,51 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	County: 1 State: 1 1 Zip: 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Telephone Number: 1,,,,,,,,,

48-57

٦.	Appricant 3 Authorized Agenc.		
	Name:	Tit	le:
	Agent Mailing Address: (St. No./R.R. No./P.O. Box No.)		
	City/Town:	State:	Zip Code:
	Telephone Number: (w/area code)		
5.	Is this facility (check one) \Box	Existing Propos	sed?
6.	Date facility was (or will be) con	structed: (month)	/ (year)
7.	Give directions to this facility f	rom the nearest town:	
8.		mation marked (a Soil urvey Map, of the are of the facility. ace drainage and othe	Conservation Service aerial a involved is preferred.)
	C. General location of waterwaysD.	(e.g., streams, river	rs, lakes) in the area.
9. tha	I certify that I am familiar with to the best of my knowledge and be		
Pri	nted name of person signing	Title	
टरट	nature of applicant	Date	pplication signed
219	mature or appricant	vate a	pprication signed

II. ANIMAL CONFINEMENT AND FEEDING FACILITIES

	Type of animal (include approx. live wt. per animal) Number of Animals
114	
,	Approximate area used for animal confinement or feedingacres.
•	Approximate land available for manure disposalacres.
•	A. Animals in this facility are (check one) 1. in open confinement 2. housed under roof 3. both
E	B. Percentage of lot under roof is
1	If there is open confinement, has a run-off and control system been constructed? 1. Yes 2. No
	If there are any housed animals at this facility, is there a liquid manure handlingsystem used for manure management?
	1. Yes 2. No
I	If yes, is there a discharge to a waterway (e.g., stream, river, lake)? 1. Yes 2. No
0	To you anticipate expansion of this facility in the future?
	A. \(\sum \) Yes \(2. \sum \) No \(\text{If yes, complete the following statements.} \)
	C. Date of future expansion/
	D. Type of Animals Number of Animals
	ENTS:

COMMONWEALTH OF KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER

TO

10.			
ADDRES	SS:	Kentucky	42624
	(City)	(State)	(Zip Code)
Pursuant together authoriz	t to your application su with engineering planes es the issuance of this:	(Reissuance of a Novemb	•
		CONSTRUCTION PERMIT	_
	re, by authority of Kent ruct an animal wastes h		pter 224, etc., you are authorized
<u> </u>	(N	ame of 1 - , Location, C	City) ussell (County)
		specifications, and other so subject to the following	information submitted in your conditions:
Da	airy Cow Waste Holdin	g Pond - (80 cow maximum	n)
2. Larpoi3. Div	nd shall be made availa int of overflowing.	e constructed around the	e system. water should the lagoon reach the lagoon to divert uncontaminated
	SEE ADDIT	IONAL CONDITIONS ON R	EVERSE SIDE
condition Water. Responsi	ns specified herein is All rights of inspection	permitted, unless authorized by representatives of the reyresent to prevent	ed with your application or the ed in writing by the Division of Division of Water are reserved. pollution of waters of the
Unless co		s specified herein is begun , this Construction Permit	on or before the <u>19th</u> day of shall be null and void.
Issued th	nisday of		1 11/2
Co. Ru	omas K. Jones, SCS lumbia Regional Offic ssell County Health I	Department (Divis	A. Wilson, Director ion of Water

ADDITIONAL CONDITIONS

- 4. Within 30 days of completion of the system, the engineer must certify, in writing, to the Division of Water/Permit Review Branch that the treatment plant and system have been constructed in accordance with the approved plans and specifications.
- 5. Within 30 days after receipt of the certification an inspection will be made by this Division and if the facilities are satisfactory, an operating/discharge permit will be issued. In the interim between completion and issuance of the operating/discharge permit, the facilities may be operated.
- 6. Vegetation around the lagoon shall be moved periodically to provide insect and rodent control.
- 7. Fencing and/or other adequate protection shall be installed around the waste treatment facilities.
- 8. The attached sheet shall be used as a guideline for proper operation, maintenance, and management of the lagoon.
- 9. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies.

AGRICULTURAL WASTES

HOLDING POND

Operation and Maintenance Recommendations

Proper operation and timely maintenance of this system will minimize pollution and extend its useful life. The following recommendations should be complied with:

- 1. Remove stored runoff as soon after each storm as conditions permit to restore the original capacity (at least 1 ft. of free board).
- 2. Every three (3) months, draw down pond to 4 ft. of free board.
- 3. Remove accumulated solids from the settling basin as often as conditions permit to restore its effectiveness.
- 4. Do not apply waste material on frozen ground or on snow.
- 5. Do not apply waste material immediately after a rain or within 12 hours of a forecasted rain
- 6. Do not apply liquid at a rate exceeding % inch per hour.
- 7. Do not apply more liquid at one time than can be applied without producing runoff and never more than 3.0 inches.
- 8. Do not apply solid wastes from debris basin at a rate exceeding 10 tons per acre per year.
- 9. Disposal of waste that produces offensive odors must be made on areas and at times that will minimize the inconvenience to nearby residences.
- 10. As animal waste and associated runoff contain nitrogen, phosphorous, potassium, and organic matter, adequate soils testing should be performed to guide in the addition of supplemental commercial fertilizer and to prevent the application of these waste materials at a rate that may be toxic to plants or animals.



COMMONWEALTH OF KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FRANKFORT OFFICE PARK
18 REILLY ROAD
FRANKFORT, KENTUCKY 40601

March 18, 1991

Re: Issuance of State Operational Permit No. 03021098, Pad and Pond Barren County, Kentucky

Dear Mr.

Enclosed is the Kentucky Operational Permit for your wastewater treatment facility. This permit is consistent with the federal requirements and is valid until it is modified, revoked or expires. Issuance of this permit is in accordance with the authority vested under KRS 224 and 401 KAR 5:005, 401 KAR 5:035 and 401 KAR 5:045.

Please note under item 1 of the enclosed permit that any direct discharge to a surface water is prohibited. Failure to comply with this requirement constitutes a violation of the permit and subjects the permittee to possible enforcement action pursuant to KRS 224.

In accordance with KRS 224.081(2), you have the right to request a hearing concerning this permit by filing a petition with the Natural Resources and Environmental Protection Cabinet.

If you have questions regarding this permit, please contact Ronnie Thompson, of my staff, at the above address or by calling (502) 564-3410, extension 423.

Sincerely,

Mack A. Wilson, Director

Division of Water

JAW:RT:bc Enclosures

cc: Division of Water Files

Bowling Green Regional Office

PERMIT NO: 03021098

AUTHORIZATION TO OPERATE A NO DISCHARGE WASTE TREATMENT SYSTEM

PURSUANT TO AUTHORITY IN KRS 224

is authorized to operate a no discharge system for disposal of treated wastewater at

in accordance with all applicable provisions of said Statute and all rules and regulations hereto and hereafter issued by the Department.

SEE-ADDITIONAL CONDITIONS ON REVERSE SIDE

This permit is	issued f	for the	period fr	om _March	18, 1991	to Ma	rch 17, 1996	
Issued at Fran	kfort, Ke	entucky	this the	18th	day of _	March	, 19 <u>91</u>	
JAW:RT:b Enclosur cc: Di	-	Water	Files					

BY:

Bowling Green Regional Office

Jack A. Wilson, Director

Division of Water

William C. Eddins Commissioner

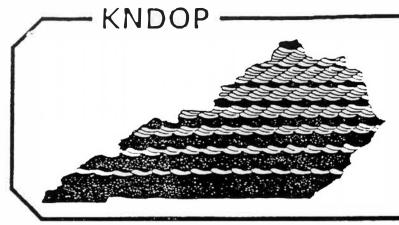
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Water, Frankfort Office Park, 18 Reilly Road, Frankfort, Kentucky 40601

Page 2

Subject to the conditions herein and subject to the permittee fully complying with the requirements set out below:

- 1. This permit is limited to no discharge of wastewater from the facility.
- This permit authorizes operation only of the treated works disposal system described in the permit in the manner and under the conditions described in the "application for permit", plans and specifications, and other data submitted by the permittee to obtain this permit.
- 3. This permit shall not be construed as authorizing any operation which is otherwise in contravention of any law, regulation, ordinance or order of any governmental unit.
- 4. This permit shall be subject at all times to revocation or modification by the Kentucky Natural Resources and Environmental Protection Cabinet as set forth in KRS 224. Commencement of a routine discharge would necessitate such a revocation and would require the issuance of a Kentucky Pollutant Discharge Elimination System permit.
- 5. Nothing herein shall be construed to authorize the creation or maintenance of a nuisance, or to relieve the permittee from any penalty for violation of any law or regulation.
- 6. Solid waste disposal areas shall be located and constructed in a manner that prevents the washing or floating of waste into the public waters.
- 7. This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies.
- 8. When waste materials are removed from the settling basin they shall be disposed of via land application.
- 9. The land application shall be of a sufficiently low rate as to prevent any runoff to the stream.
- 10. Facility is designed for a maximum of 50 dairy cows.



Kentucky No Discharge
Operational Permit

Permit Application

This is an application to: 1. Apply for a new permit. 2. Apply for reissuance of expining permit. 3. Modify an existing permit.	FORM NE
1. FACILITY CONTACT INFORMATION AGENCY USE	
A	
8. Facility Address	
Primary mailing name	
Primary mailing street	
Primary maning city	State Lip Code
II. FACILITY DESCRIPTION	
Provide a binel description of activities, products, etc.	
8. Standard Industrial Classification (SIC) Code and Description	
Principal SIC Code:	Description
Other SIC Code(s):Code	Coor Coor
III. FACUTY LOCATION	
A. Attach a U.S. Geological Survey 7½ minute quadrangle map for t	the site.
County where facility is located	Gify where facility it located (if applicable)
C. Facility Site:	congruee

KENTUCKY NO DISCHARGE OPERATIONAL PERMIT FORM ND - INSTRUCTIONS

Listed below are explanations of select Form ND questions. If further information is needed concerning any question, please contact the Division of Water.

I. Facility Contact Information

- A. Use the official or legal name.
- B The information given as the primary mailing address will be used to produce mailing labels for correspondence to the facility.

II. Facility Description

- A. Briefly describe the nature of the business and the activities being conducted that require a Kentucky No Discharge Operational Permit (KNDOP).
- B. The SIC codes are numbers and descriptions of activities classified by the Executive Office of the President, Office of Management and Budget. These are found in the 1972 Edition of the Standard Industrial Classification Manual. List the SIC code(s) that best describe the products or services provided by the facility in descending order of importance.

III. Facility Location

A. Attach an unreduced original or reproduction of a 7½ minute U.S.G.S. Topographic Map (minimum size 8½ x 11°) with Quad name and extending at least one mile beyond the property boundary. Depict or mark the facility and its intake structure, treatment system and disposal area. Also mark the locations of those wells, springs, surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within one-quarter mile of the facility property boundary.

V. Flows, Sources of Pollution, and Treatment Technologies

For each source of wastewater provide: (1) a description of all operations contributing the wastewater, including sanitary wastewater and storm runoff; (2) the average and design flows contributed by each operation; and (3) the treatment received by the wastewater.

Operations may be described in general terms for storm water. You may use any reasonable measure of duration, volume, or frequency. For each treatment unit, indicate its size, flow rate, and retention time, and describe the ultimate disposal of any solid or liquid wastes. Treatment units should be listed in order of occurrence.

If you are applying for a permit for a privately-owned treatment works, you must also identify all of your contributors in an attached listing.

VI. Basis Of Design for Sizing the Wastewater Treatment Facility

Examples of basis of design for sizing wastewater treatment facilities are number of people served, number of homes, number of students, number of square feet of floor space, etc.

VIII. Certification

The permit application shall be signed as follows:

- 1. Corporation: by a principal executive officer of at least the level of vice-president.
- 2. Partnership or sole proprietorship: by a general partner or the proprietor respectively.
- Municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected
 official.