IOWA DEPARTMENT OF NATURAL RESOURCES NPDES PERMIT APPLICATION
FORM 6 - OPERATION PERMITS

FACILITY INFORMATION

NAME		STREET ADDRESS	
TELEPHONE	CITY	STATE	ZIP CODE

OWNER INFORMATION

NAME		STREET ADDRESS	
TELEPHONE	CITY	STATE	ZIP CODE

CONTACT PERSON

NAME	TITLE	MAILING ADDRESS	
TELEPHONE	CITY	STATE	ZIP CODE

FACILITY LOCATION

COUNTY:		
SECTION	TOWNSHIP	RANGE

NATURE OF FACILITY

Describe briefly the nature of the facility where the waste is generated(e.g. meat processing, livestock trucking, sewage treatment plant)and the process(es) that generate wastewater (domestic sewage, process tank cleanout, etc.).

TREATMENT SYSYTEM

Briefly describe the treatment system and/or storage system including type of treatment or storage (e.g. lagoon, tank, etc.), location of the treatment or storage, and the volume of the treatment or storage system.

OTHER PERMITS

List all environmental permits from federal, state or local agencies required for this disposal system. If a permit has been applied for but has not yet been issued write "applied for" under issue date.

TYPE OF PERMIT	PERMIT NO.	ISSUE DATE	ISSUING AGENCY

WASTEWATER TRANSPORT

How is wastewater transported from the source at which it is generated to the final disposal site (pipe, truck, etc.)?

WASTEWATER TRANSPORT BY OTHER ENTITY

If wastewater is transported by someone other than the system that generates the wastewater, provide the following information for each person:

PERSON 1:	NAME		STREET ADDRESS	
	TELEPHONE	CITY	STATE	ZIP CODE
PERSON 2:	NAME		STREET ADDRESS	
	TELEPHONE	CITY	STATE	ZIP CODE

DISPOSAL METHODS

Describe the method(s) used for disposal (land application, underground injection, total retention lagoon, etc.).

WASTEWATER VOLUME

Specify the volume of wastewater to be disposed of per year. If wastewater will be land applied, specify the volume per acre to be applied per year.

Volume of wastewater disposed of per year:	
Volume of wastewater land applied per acre per year (if land applied):	

DESCRIPTION OF LAND APPLICATION

If wastewater will be land applied how will it be applied (center pivot, traveling gun, mobile equipment, etc.)? Will wastewater be surface applied or injected?

LAND APPLICATION BY OTHER ENTITY

If wastewater is land applied by someone other than the system that generates the wastewater, provide the information for each person who land applies the wastewater:

PERSON 1:	NAME		STREET ADDRESS	
	TELEPHONE	CITY	STATE	ZIP CODE
PERSON 2:	NAME		STREET ADDRESS	
	TELEPHONE	CITY	STATE	ZIP CODE

DISPOSAL SITE INFORMATION

Provide the following information for each disposal site. Attach additional sheets if necessary. Please note, if wastewater will be applied on any land owned by a party other than the person applying for this permit you must provide a signed copy of a document (Land Owner Agreement) with each land owner that establishes your legal right to use the land for a period of not less than five (5) years. Land Owner Agreements shall include provisions for renewal options that specify that at least one year's notice be provided, in writing, to the applicant if the land owner does not intend to renew the agreement.

SITE NUMBER (1, 2, 3…)

COUNTY:

LEGAL DESCRIPTION:

QUARTER SECTION	QUARTER SECTION	SECTION	TOWNSHIP	RANGE

NUMBER OF ACRES (for land application sites):

NAME OF PROPERTY OWNER:

LAND OWNER AGREEMENT ATTACHED (if necessary): YES ☐ NO ☐

SITE NUMBER (1, 2, 3…)

COUNTY:

LEGAL DESCRIPTION:

QUARTER SECTION	QUARTER SECTION	SECTION	TOWNSHIP	RANGE

NUMBER OF ACRES (for land application sites):

NAME OF PROPERTY OWNER:

LAND OWNER AGREEMENT ATTACHED (if necessary): YES ☐ NO ☐

SITE NUMBER (1, 2, 3…)

COUNTY:

LEGAL DESCRIPTION:

QUARTER SECTION	QUARTER SECTION	SECTION	TOWNSHIP	RANGE

NUMBER OF ACRES (for land application sites):

NAME OF PROPERTY OWNER:

LAND OWNER AGREEMENT ATTACHED (if necessary): YES ☐ NO ☐

SITE NUMBER (1, 2, 3…)

COUNTY:

LEGAL DESCRIPTION:

QUARTER SECTION	QUARTER SECTION	SECTION	TOWNSHIP	RANGE

NUMBER OF ACRES (for land application sites):

NAME OF PROPERTY OWNER:

LAND OWNER AGREEMENT ATTACHED (if necessary): YES ☐ NO ☐

LOCATION MAP

Provide a map or photo showing the location of the facility generating wastewater, each treatment or storage system, each disposal site, and the location(s) of each existing groundwater monitoring well.

EFFLUENT SAMPLING: WASTEWATER TO TREATMENT OR STORAGE

For the wastewater directed to your treatment or storage unit, you must do the following:
Existing Sources - You must provide measurements for the pollutants listed in the left-hand column below.
New Discharges - You must provide estimates for the pollutants listed in the left-hand column below.
In the blank spaces in the left hand column, you are required to list each pollutant that you know or have reason to believe is present. See the instructions for additional details and requirements.

Pollutant	Maximum Daily Value - Concentration *(include units)*	Average Daily Value (last year) – Concentration *(include units)*	Number of Measurements Taken *(past 12 months)*	Source of Estimate *(if new discharger)*	Certified Laboratory Number
Biochemical Oxygen Demand (BOD)					
Total Nitrogen (TKN+NO2+NO3)					
Total Phosphorus					

EFFLUENT SAMPLING: WASTEWATER PRIOR TO LAND APPLICATION

For wastewater directed to land application (this section is only required if you land apply wastewater):
Existing Sources - You must provide measurements for the pollutants listed in the left-hand column below.
New Discharges - You must provide estimates for the pollutants listed in the left-hand column below.
In the blank spaces in the left hand column, you are required to list each pollutant that you know or have reason to believe is present. See the instructions for additional details and requirements.

Pollutant	Maximum Daily Value - Concentration *(include units)*	Average Daily Value (last year) – Concentration *(include units)*	Number of Measurements Taken *(past 12 months)*	Source of Estimate *(if new discharger)*	Certified Laboratory Number
Biochemical Oxygen Demand (BOD)					
Total Nitrogen (TKN+NO2+NO3)					
Total Phosphorus					

FORM 6 – OPERATION PERMITS
INSTRUCTIONS

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Facility Information - Enter the name and full address of the facility that generates the wastewater for which the permit is being requested.

Owner Information - Enter the name and address of the owner of the facility.

Contact Person - Give the name, title, address and telephone number of the person who is thoroughly familiar with the operation of the facility and with the information reported in this application.

Facility Location - List the location of the facility by county, section, township, and range.

Nature of Facility – self-explanatory.

Treatment System – self-explanatory.

Other Permits - List each environmental permit required to operate this facility, the permit number, issue date and issuing agency (e.g. UIC, water use, wastewater construction). If a permit has been applied for but has not yet been issued enter "Applied For" and the date the application was submitted.

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Wastewater Transport – Describe how the wastewater is transported to the final disposal site.

Wastewater Transport by Other Entity – If wastewater is transported by someone other than the facility that generates the wastewater, provide the name, address, and phone number for the person, or persons, who transport the wastewater. Attach additional sheets if necessary.

Disposal Methods – Describe the method(s) used for disposal of the wastewater.

Wastewater Volume – Specify the volume of wastewater that will be disposed of per year and the volume of wastewater to be land applied per acre per year, if the wastewater will be land applied.

Description of Land Application – Describe the land application method(s) that will be used to apply the wastewater, if the wastewater will be land applied.

Land Application by Other Entity – If the wastewater is land applied by someone other than the facility that generates the wastewater provide the name, address and phone number for the person, or persons, who land applies the wastewater.

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Disposal Site Information – For each disposal site, provide the legal description, the county, the number of acres that will be used for land application (if the wastewater is land applied), and the name of the property owner. Complete all of the information for every disposal site, and attach additional sheets if necessary.

If wastewater will be applied on any land owned by a party other than the person applying for this permit you must provide a signed copy of a document (Land Owner Agreement) with each land owner that establishes your legal right to use the land for a period of not less than five (5) years. Land Owner Agreements shall include provisions for renewal options that specify that at least one year's notice be provided, in writing, to the applicant if the land owner does not intend to renew the agreement. Attach any Land Owner Agreements to the permit application, and check the "yes" box to indicate that the agreement has been attached. If the person applying for the permit is the land owner for the site, no Land Owner Agreement is needed.

Location Map - Provide a map no larger than 8½" x 11" of the area which clearly shows the location of the facility, the location of each treatment or storage system, the location and number of each disposal site, and the location(s) of each existing groundwater monitoring well. An aerial photo or copy of the appropriate section of a 7½ minute series topographic map published by the U.S. Geographical Survey is preferable.

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Effluent Sampling: Wastewater to Treatment or Storage –

Existing Dischargers: You are required to report the concentration in mg/l (milligrams per liter) for each of the listed pollutants for the wastewater sent to the storage facility (5-Day Biochemical Oxygen Demand, Total Nitrogen, and Total Phosphorus).

You are required to provide at least one analysis for each pollutant listed. Data reported must be representative of your current operation. The analysis of these pollutants must be done in accordance with EPA approved procedures listed in 40 CFR Part 136. For the listed pollutants, 24-hour composite samples must be used. Samples must be analyzed by a laboratory certified in the State of Iowa to perform the required analysis except for any pollutant that must be analyzed immediately upon collection of the sample.

In the blank spaces, you must provide sampling results for any pollutant that you know or have reason to believe is present. Base your determination of whether a pollutant will be present in your discharge on your knowledge of the proposed facility's raw materials, maintenance chemicals, intermediate and final products, byproducts, and any analyses of your effluent or of any similar effluent. You may also provide the determination based on available in-house reports, contractor's engineering reports, or any other studies performed on the proposed facility. If you expect a pollutant to be present solely as a result of its presence in your intake water, please state this information on the form.

New Dischargers: You are required to provide an estimate of the maximum daily and average daily value for each of the listed pollutants (5-Day Biochemical Oxygen Demand, Total Nitrogen, and Total Phosphorus). Estimates may be based on actual data from pilot plants, estimates from engineering studies, data from similar plants, best professional estimates, or other sources. You must state the basis for your estimates using the following codes:

1. Pilot Plant Data
2. Engineering Study
3. Data from similar facility
4. Best Professional Judgment
5. Other (specify on from or separate sheet)

In the blank spaces, you must provide estimates for any pollutant that you know or have reason to believe is present. Base your determination of whether a pollutant will be present in your discharge on your knowledge of the proposed facility's raw materials, maintenance chemicals, intermediate and final products, byproducts, and any analyses of your effluent or of any similar effluent. You may also provide the estimate based on available in-house reports, contractor's engineering reports, or any other studies performed on the proposed facility. If you expect a pollutant to be present solely as a result of its presence in your intake water, please state this information on the form.

A new discharger will be required to test and report the actual rather than the estimated data for the listed pollutants after the permit is issued and the system is operating.

Effluent Sampling: Wastewater Prior to Land Application - If you land apply wastewater generated at this facility (or you plan to land apply the wastewater), you are required to either report or provide estimates of the concentration for each of the listed pollutants (5-Day Biochemical Oxygen Demand, Total Nitrogen, and Total Phosphorus). Wastewater samples must be taken after treatment or storage and prior to land application. Perform the required sampling (existing dischargers) or estimations (new dischargers) based on the instructions for effluent sampling for wastewater to treatment or storage listed above.