



DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

APR 29 2014

Noah Troyer
10329 Farm Road 1050
Stotts City, MO 65756

RE: AP# 16596 – Noah Troyer, Construction Permit No. 0001589

Dear Mr. Troyer:

The Missouri Department of Natural Resources' (Department) Water Protection Program has reviewed and approved the plans and specifications submitted by Pond Creek Designs. Please find enclosed Construction Permit No. CP0001589.

This permit will terminate one year from the date of issuance. In accordance with 10 CSR 20-6.010(4)(G), the Department may grant an extension only one time. If you believe that an extension is necessary, you must submit a request and a justification in writing for the extension at least 30 days prior to the permit expiration date.

Nothing in this permit removes any obligations to comply with county or other local ordinances or restrictions.

If you were adversely affected by this decision, you may appeal to have the matter heard by the Administrative Hearing Commission. To appeal, you must file a petition with the Administrative Hearing Commission within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the Administrative Hearing Commission.

If you have any questions concerning this matter, please contact Keith Forck, of the Water Protection Program, at (573) 526-4232 or Missouri Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102-0176.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

WATER PROTECTION PROGRAM



Refaat H. Meffakis, P.E.
Engineering Section Chief

RM:kfi

Enclosures

c: Pond Creek Designs
Southwest Regional Office

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

The Missouri Department of Natural Resources hereby issues a permit to:

Noah Troyer
10329 Farm Road 1050
Stotts City, MO 65756

for the construction of (described facilities):

See attached.

Permit Conditions:

See attached.

Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law, Chapter 644, RSMo, and regulation promulgated thereunder, or this permit may be revoked by the Department of Natural Resources (Department).

As the Department does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

A representative of the Department may inspect the work covered by this permit during construction. Issuance of a permit to operate by the Department will be contingent on the work substantially adhering to the approved plans and specifications.

This permit applies only to the construction of water pollution control components; it does not apply to other environmentally regulated areas.

April 29, 2014
Effective Date

April 28, 2015
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

Director of Staff, Clean Water Commission or Designee

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

Construction of a no-discharge lagoon irrigation system consisting of four-inch PVC gravity collection system with one – 1000-gallon septic tank, a one-cell lagoon with bottom dimensions of 64 feet square, maximum pumpdown level of four feet, and top of berm at seven feet, 56,000 square feet irrigation area, and all the necessary appurtenances to make the facilities complete and usable. This facility is to serve the Noah Troyer with a design flow of 300 gallons per day.

II. FINDING OF AFFORDABILITY

The Finding of Affordability is not applicable. The permittee is not a combined or separate sanitary sewer system or a publicly owned treatment works.

III. CONSTRUCTION PERMIT CONDITIONS

The permittee is authorized to construct subject to the following conditions:

1. This construction permit does not authorize discharge.
2. Earthen Basins
 - A. Lagoons and earthen impoundments shall be constructed with a flat bottom.
 - B. Compaction of the berm fill material and bottom seal material with only a bulldozer will usually not meet compaction requirements.
 - C. The minimum seal thickness shall be twelve (12) inches, unless otherwise specified in the approved plans and specifications. The bottom seal and berm fill shall be brought up in horizontal layers not to exceed six (6) inches in thickness. Installation of the liner shall be according to the approved plans.
 - D. The seal on the inner slopes of the basin shall extend up to where the liner intersects the top of the berm.
 - E. Each layer of fill and seal material shall be compacted under optimum moisture conditions to achieve the required compacted permeability of 1×10^{-7} cm/sec, or less.
 - F. Upon completion of the seal installation, a protective device shall be installed to prevent erosion of the seal at all pipe inlet locations. The method of protection shall ensure the integrity of the seal from turbulence at all stages of operation from the prefill stage to the maximum operating level.
 - G. All basins shall be prefilled with fresh water to a minimum depth of two feet. At least two feet of liquid level shall be maintained at all times to protect the constructed seal.
 - H. The berm shall be seeded and mulched as soon as site conditions allow.

- I. The recommendations contained in the geologic report from the Missouri Department of Natural Resources, Division of Geology and Land Survey shall be followed, unless otherwise specified in this permit.
 - J. A pumpdown marker shall be installed and maintained, clearly showing the level of the emergency spillway and one foot increments, down to the lower pumpdown marker.
3. All construction shall be in accordance with the revised April 15, 2014 plans and specifications submitted by Pond Creek Designs.
 4. The Department must be contacted in writing prior to making any changes to the approved plans and specifications that would directly or indirectly have an impact on the capacity, flow, system layout, or reliability of the proposed wastewater treatment facilities or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(8).
 5. State and Federal Law does not permit bypassing of raw wastewater, therefore steps must be taken to ensure that raw wastewater does not discharge during construction. If a sanitary sewer overflow or bypass occurs, report the appropriate information to the Department's Southwest Regional Office per 10 CSR 20-7.015(9)(E)2.
 6. This Construction Permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans"
 7. Protection of drinking water supplies shall be in accordance with 10 CSR 20-8.120(10). "There shall be no physical connections between a public or private potable water supply system and a sewer, or appurtenance thereto which would permit the passage of any wastewater or polluted water into the potable supply. No water pipe shall pass through or come in contact with any part of a sewer manhole."
 - A. Sewers in relation to water works structures shall meet the requirements of 10 CSR 23-3.010 with respect to minimum distances from public water supply wells or other water supply sources and structures.
 - B. Sewer mains shall be laid at least ten feet horizontally from any existing or proposed water main. The distances shall be measured edge-to-edge. In cases where it is not practical to maintain a ten foot separation, the Department may allow a deviation on a case-by-case basis, if supported by data from the design engineer. Such a deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on either side of the sewer and at an elevation so the bottom of the water main is at least 18 inches above the top of the sewer. If it is impossible to obtain proper horizontal and vertical separation as described above for sewers, the sewer must be constructed of slip-on or mechanical joint pipe or continuously encased and be pressure tested to 150 pounds per square inch to assure water tightness.
 - C. Manholes should be located at least ten feet horizontally from any existing or proposed water main.

- D. Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade. When it is impossible to obtain proper vertical separation as stipulated above, one of the following methods must be specified:
- a. The sewer shall be designed and constructed equal to the water pipe and shall be pressure tested to assure water tightness prior to backfilling; or
 - b. Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends ten feet on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be of materials approved by the Department for use in water main construction.
8. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one acre or more to obtain a Missouri State Operating Permit to discharge stormwater. The permit requires Best Management Practices sufficient to control runoff and sedimentation to protect waters of the state. Land disturbance permits may be obtained by means of the Department's ePermitting system available online at www.dnr.mo.gov/env/wpp/epermit/help.htm. See www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm for more information.
9. A United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) issued by the Department or permit waiver may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied. If construction activity will disturb any land below the ordinary high water mark of Jurisdictional Waters of the U.S. then a 404/401 will be required. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the Department's Water Protection Program at 573-751-1300 for more information. See www.dnr.mo.gov/env/wpp/401/ for more information.
10. Upon completion of construction;
- A. Noah Troyer will become the continuing authority for operation, maintenance, and modernization of these facilities;
 - B. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(D); and
 - C. If changes, submit an electronic copy of the as-builts with the Statement of Work Completed.

IV. REVIEW SUMMARY

1. AMMONIA

The Water Protection Program is providing this notice to inform permittees that EPA's published ammonia criteria for aquatic life protection is lower than the current Missouri criteria and will be proposed in the 2014 Missouri Water Quality Standards triennial review. More information can be found at <http://dnr.mo.gov/pubs/pub2481.htm>.

The proposed facility is no-discharge.

2. CONSTRUCTION PURPOSE

Provide wastewater service for a meat processing facility.

3. FACILITY DESCRIPTION

The facility is proposed to serve a small meat processing facility. The submittal proposes less than 150 cattle, or 250 hogs, or some combination per year with an average design flow of 300 gallons per day.

4. COMPLIANCE PARAMETERS

A slurry wagon will be used for pumping the lagoon and irrigating the 56,000 square feet of mixed grass with a rate of no more than one inch per day, three inches per week, and 24 inches per year.

5. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

A septic tank is proposed as primary settling followed by a one-cell storage lagoon and land application with a slurry wagon. The flow rate is based on studies that show wastewater flow should be less than 100 gallons per day per beef.

6. OPERATING PERMIT REQUIREMENTS

An operating permit is required to operate the wastewater treatment system. Master General Permit MOG822 is the option that has been proposed for this project and is the general permit is being issued.

Review Engineer: Keith Forck
Section Chief Approval: Refaat Mefrakis
Date: 04/24/2014

C12238 CP0001589
AP16596



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
APPLICATION FOR CONSTRUCTION PERMIT –
WASTEWATER TREATMENT FACILITY

OCT 01 2013

| FOR DEPARTMENT USE ONLY | |
|---------------------------|-------------------|
| APP NO. | CP NO. |
| FEE RECEIVED \$150.00 | CHECK NO. 4238 |
| DATE RECEIVED 10/11/13 | SR |

APPLICATION OVERVIEW

The Application for Construction Permit – Wastewater Treatment Facility form has been developed in a modular format and consists of Part A and B. **All applicants must complete Part A.** Part B should be completed for applicants who currently land-apply wastewater or propose land application for wastewater treatment. **Please read the accompanying instructions before completing this form. Submittal of an incomplete application may result in the application being returned.**

PART A - BASIC INFORMATION

1.0 APPLICATION INFORMATION (Note: If any of the questions in this section are answered NO, this application may be considered incomplete and returned.)

- 1.1 Is this a Federal/State funded project? YES N/A Funding Agency: _____ Project #: _____
- 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?
 YES Date of Approval: _____
 Attached is the No Degradation Evaluation Conclusion of Antidegradation Review form
- 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: _____ NO N/A (If Not Applicable, complete No. 1.4.)
- 1.4 [Complete only if answered Not Applicable on No. 1.3.] Is a copy of the engineering report* for wastewater treatment facilities with a design flow less than 22,500 gpd included with this application?
 YES NO
- 1.5 Is a copy of the appropriate plans* and specifications* included with this application?
 YES Denote which form is submitted: Hard copy Electronic copy (See instructions.) NO
- 1.6 Is a summary of design* included with this application? YES NO
- 1.7 Has the appropriate operating permit application (A, B, or B2) been submitted to the department?
 YES Date of submittal: 8/31
 Enclosed is the appropriate operating permit application submittal. Denote which form: A B B2
 N/A Please explain: _____
- 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency? YES NO
- 1.9 Is the appropriate fee included with this application? YES NO (See instructions for appropriate fee.)

* Must be affixed with a Missouri registered professional engineer's seal, signature and date.

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT
Noah Troyer Processing Facility

2.2 PROJECT DESCRIPTION
Proposed Animal Processing Facility in Lawrence County Missouri

2.3 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION
Two cell lagoon System

2.4 DESIGN INFORMATION
A. Current population: _____; Design population: _____
B. Actual Flow: _____ gpd; Design Average Flow: 1925 gpd;
Actual Peak Daily Flow: _____ gpd; Design Maximum Daily Flow: _____ gpd

2.5 ADDITIONAL INFORMATION
A. Is a topographic map attached? YES NO
B. Is a process flow diagram attached? YES NO

3.0 WASTEWATER TREATMENT FACILITY

| | | | | |
|--|---------------------|---|-------------------|--------------------|
| NAME Noah Troyer | | TELEPHONE NUMBER WITH AREA CODE 417-285-4565 | E-MAIL ADDRESS | |
| ADDRESS (PHYSICAL) 10329 Farm Road 1050 | CITY Stotts City | STATE Mo | ZIP CODE 65756 | COUNTY Lawrence |
| Wastewater Treatment Facility: Mo- (Outfall Of) | | | | |
| 3.1 Legal Description: SE ¼, SE ¼, NE ¼, Sec. 22, T 28N, R 28W (Use additional pages if construction of more than one outfall is proposed.) | | | | |
| 3.2 UTM Coordinates Easting (X): _____ Northing (Y): _____ For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83) | | | | |
| 3.3 Name of receiving streams: _____ | | | | |

4.0 PROJECT OWNER

| | | | | |
|---------------------------------|---------------------|---|----------------|--|
| NAME Noah Troyer | | TELEPHONE NUMBER WITH AREA CODE (417) 285-4565 | E-MAIL ADDRESS | |
| ADDRESS 10329 Farm Road 1050 | CITY Stotts City | STATE Mo | ZIP CODE | |

5.0 CONTINUING AUTHORITY Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.

| | | | | |
|---------------------------------|---------------------|---|----------------|--|
| NAME Noah Troyer | | TELEPHONE NUMBER WITH AREA CODE (417) 285-4565 | E-MAIL ADDRESS | |
| ADDRESS 10329 Farm Road 1050 | CITY Stotts City | STATE Mo | ZIP CODE | |

5.1 A letter from the continuing authority, if different than the owner, is included with this application. YES NO N/A

5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A MISSOURI PUBLIC SERVICE COMMISSION REGULATED ENTITY.

A. Is a copy of the certificate of convenience and necessity included with this application? YES NO

5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A PROPERTY OWNERS ASSOCIATION.

A. Is a copy of the as-filed restrictions and covenants included with this application? YES NOB. Is a copy of the as-filed warranty deed, quitclaim deed or other legal instrument which transfers ownership of the land for the wastewater treatment facility to the association included with this application? YES NOC. Is a copy of the as-filed legal instrument (typically the plat) that provides the association with valid easements for all sewers included with this application? YES NOD. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application? YES NO**6.0 ENGINEER**

| | | | | |
|------------------------------|------|---------------------------------|----------------|--|
| ENGINEER NAME / COMPANY NAME | | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS | |
| ADDRESS | CITY | STATE | ZIP CODE | |

7.0 PROJECT OWNER: I hereby certify that I am familiar with the information contained in this application and to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all other regulations, orders, and decisions, subject to any legitimate appeal available to applicant under Missouri Clean Water Law. I also understand the issuance of the construction permit does not guarantee the proposed wastewater treatment will meet the required effluent limitations of the issued Missouri State Operating Permit for this facility.

| | | | | |
|-----------------------------|--|---------------------------------|----------------|--|
| PROJECT OWNER SIGNATURE | | | | |
| PRINTED NAME | | | DATE | |
| TITLE OR CORPORATE POSITION | | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS | |

Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

END OF PART A
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHETHER PART B NEEDS TO BE COMPLETE.

PART B - LAND APPLICATION ONLY
 (Skip only if the proposed construction project includes land application of wastewater.)

8.0 FACILITY INFORMATION

8.1 Type of wastewater to be irrigated: Domestic State/National Park Seasonal business
 Municipal Municipal with a pretreatment program or significant industrial users
 Other (explain) _____

8.2 Months when the business or enterprise will operate or generate wastewater:
 12 months per year Part of the year (list months): 9

8.3 This system is designed for:
 No-discharge.
 Partial irrigation when feasible and discharge rest of time.
 Irrigation during recreational season, April – October, and discharge during November – March.
 Other (explain) _____.

9.0 STORAGE BASINS

9.1 Number of storage basins: 2 (Use additional pages if greater than three basins.)

9.2 Type of basins: Steel Concrete Fiberglass Earthen Earthen with membrane liner

9.3 Storage basin dimensions at inside top of berm (feet). Report freeboard as feet from top of berm to emergency spillway or overflow pipe.

| | | | | | | |
|-----------|------------------|-----------------|----------------|-----------------|---------------------|-------------------|
| Basin #1: | Length <u>40</u> | Width <u>75</u> | Depth <u>4</u> | Freeboard _____ | Berm Width <u>4</u> | % Slope <u>33</u> |
| Basin #2: | Length <u>75</u> | Width <u>75</u> | Depth <u>4</u> | Freeboard _____ | Berm Width <u>4</u> | % Slope <u>33</u> |
| Basin #3: | Length _____ | Width _____ | Depth _____ | Freeboard _____ | Berm Width _____ | % Slope _____ |

9.4 Storage Basin operating levels (report as feet below emergency overflow level).

| | | |
|-----------|---|---|
| Basin #1: | Maximum operating water level <u>3</u> ft | Minimum operating water level <u>1</u> ft |
| Basin #2: | Maximum operating water level <u>3</u> ft | Minimum operating water level <u>1</u> ft |
| Basin #3: | Maximum operating water level _____ ft | Minimum operating water level _____ ft |

9.5 Design depth of sludge in storage basins.
 Basin #1: 1 ft Basin #2: 1 ft Basin #3: _____ ft

9.6 Existing sludge depth, if the basins are currently in operation.
 Basin #1: _____ ft Basin #2: _____ ft Basin #3: _____ ft

9.7 Total design sludge storage: _____ dry tons and _____ cubic feet

10.0 LAND APPLICATION SYSTEM

10.1 Number of irrigation sites 1 Total Acres 40 Maximum % field slopes 0.5
 Location: SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, 22 Sec. 28N T 28W R Lowe County 40 Acres
 Location: _____ $\frac{1}{4}$, _____ $\frac{1}{4}$, _____ $\frac{1}{4}$, _____ Sec. _____ T _____ R _____ County _____ Acres
 Location: _____ $\frac{1}{4}$, _____ $\frac{1}{4}$, _____ $\frac{1}{4}$, _____ Sec. _____ T _____ R _____ County _____ Acres
 (Use additional pages if greater than three irrigation sites.)

10.2 Type of vegetation: Grass hay Pasture Timber Row crops
 Other (describe) _____

10.3 Wastewater flow (dry weather) gallons per day: Average annual 1950 Seasonal x Off-season _____

10.4 Land application rate (design flow including 1-in-10 year storm water flows):
 Design: _____ inches/year _____ inches/hour _____ inches/day _____ inches/week
 Actual: _____ inches/year _____ inches/hour _____ inches/day _____ inches/week

10.5 Total irrigation per year (gallons): Design: _____ gal Actual: _____ gal

10.6 Actual months used for irrigation (check all that apply):
 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

10.7 Land application rate is based on:
 Hydraulic Loading Other (describe) _____
 Nutrient Management Plan (N&P) If N&P is selected, is the plan included? YES NO



MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
**REQUEST FOR GEOHYDROLOGIC EVALUATION OF
LIQUID-WASTE TREATMENT FACILITY/SITE**

OCT 01 2013

FOR OFFICE USE ONLY

PROJECT ID NUMBER

DATE RECEIVED

FACILITY OR PROJECT LOCATION

| | | | | | | | |
|---|------------|-----------|---------------------|----------|---|-----------------|--|
| FACILITY OR PROJECT NAME Noah Troyer Processing Facility | | | | | PREVIOUS NAME OF FACILITY (IF APPLICABLE) | | |
| XXX SECTION | XX SECTION | X SECTION | SECTION | TOWNSHIP | RANGE | QUADRANGLE NAME | |
| | | | | NORTH | <input type="checkbox"/> East <input type="checkbox"/> West | | |
| WRITTEN LOCATION IF LEGAL DESCRIPTION IS UNAVAILABLE (USE COMMENTS AREA IF NECESSARY) 10329 Lawrence County Road 1050 | | | | | | | |
| COUNTY Lawrence | | | COORDINATE LOCATION | | | | |
| | | | LATITUDE: | | LONGITUDE: | | |

OWNER INFORMATION

| | | | | | | | |
|---|--|--|----------------------------|--|--------------------|----------|--|
| OWNER'S NAME Noah Troyer | | | TELEPHONE | | | | |
| ADDRESS 10329 Lawrence County Road 1050 | | | CITY Stotts City | | STATE MO | ZIP CODE | |
| FACILITY ADDRESS (IF DIFFERENT FROM OWNER'S) | | | CITY | | STATE | ZIP CODE | |

EVALUATION REQUESTED BY

| | | | | | | | |
|---|--|--|----------------------------|--|--------------------|----------|--|
| NAME AND COMPANY OF REQUESTOR Noah Troyer | | | TELEPHONE | | | | |
| ADDRESS 10329 Lawrence County Road 1050 | | | CITY Stotts City | | STATE MO | ZIP CODE | |

FACILITY INFORMATION

| | | | |
|--|---|---|---|
| TYPE OF FACILITY | LINER CONSTRUCTION MATERIALS | DISCHARGE | TYPE OF WASTE |
| <input checked="" type="checkbox"/> LAGOON <input type="checkbox"/> STORAGE BASIN <input type="checkbox"/> RECIRCULATING FILTER BED <input type="checkbox"/> LAND APPLICATION <input type="checkbox"/> MECHANICAL TREATMENT PLANT <input type="checkbox"/> SUBSURFACE SOIL ABSORPTION SYSTEM <input type="checkbox"/> OTHER _____ | <input type="checkbox"/> EXISTING SOILS <input type="checkbox"/> REINFORCED CONCRETE <input type="checkbox"/> OTHER _____ | <input checked="" type="checkbox"/> FACILITIES WILL DISCHARGE TO WATERS OF THE STATE <input type="checkbox"/> WILL NOT DISCHARGE (NO-DISCHARGE SYSTEM) | <input checked="" type="checkbox"/> HUMAN <input checked="" type="checkbox"/> ANIMAL <input type="checkbox"/> LEACHATE <input type="checkbox"/> PROCESS/INDUSTRIAL <input type="checkbox"/> OTHER _____ |

THIS PORTION APPLIES TO LAGOONS AND STORAGE BASINS ONLY

| | | | |
|--|---|---|---|
| <input type="checkbox"/> EXISTING <input checked="" type="checkbox"/> PROPOSED <input type="checkbox"/> UNDER CONSTRUCTION | TOTAL ESTIMATED SIZE OF STORAGE BASIN/LAGOON <input type="checkbox"/> <= 1 ACRE <input checked="" type="checkbox"/> > 1 ACRE AND <= 2 ACRES <input type="checkbox"/> > 2 ACRES AND <= 3 ACRES <input type="checkbox"/> > 3 ACRES AND <= 4 ACRES <input type="checkbox"/> > 4 ACRES | MAXIMUM OPERATING DEPTH OF LIQUIDS <input type="checkbox"/> <= 5 FEET <input checked="" type="checkbox"/> > 5 FEET AND <= 10 FEET <input type="checkbox"/> > 10 FEET AND <= 15 FEET <input type="checkbox"/> > 15 FEET AND <= 20 FEET <input type="checkbox"/> > 20 FEET | MAXIMUM DEPTH OF PROPOSED EXCAVATION IN FEET WILL FACILITY BE PART OF A CLASS 1A CONFINED ANIMAL FEEDING OPERATION <input type="checkbox"/> YES <input type="checkbox"/> NO |
|--|---|---|---|

| | | |
|---|---|--|
| NUMBER OF ACRES TO BE LAND APPLIED 40 ACRES | WILL OWNER APPLY FOR STATE REVOLVING FUNDS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> MAYBE | IF YES, WILL A NPDES PERMIT BE REQUIRED <input type="checkbox"/> YES (POINT SOURCE) <input type="checkbox"/> NO (NON-POINT SOURCE) |
|---|---|--|

SKETCH OR MAP MUST BE SUBMITTED WITH REQUEST

Attach sketch or a topographic map showing all known wells, springs, sinkholes, caves, and mines within 1/2 mile of the facility. Show locations of existing test borings, test pits, or excavations which expose soil, if backhoe or other exploration has been done – send copy of results or, if planned, let us know of date. Show the proposed location of the facility, land application areas, and discharge point (if applicable). Please show north arrow on map or sketch.

COMMENTS

EMAIL ADDRESS: PLEASE PROVIDE AN E-MAIL ADDRESS IF YOU WISH TO RECEIVE CONFIRMATION MESSAGE OF RECEIPT OF THIS REQUEST
timham@pcdengineers.com

| | |
|--|---------------------------|
| OWNER'S SIGNATURE (INDICATES PERMISSION TO ACCESS PROPERTY FOR EVALUATION) <i>Noah Troyer</i> | DATE 09/10/2013 |
|--|---------------------------|