

**STATE OF MISSOURI**  
**DEPARTMENT OF NATURAL RESOURCES**  
**MISSOURI CLEAN WATER COMMISSION**



**CONSTRUCTION PERMIT**

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

Ben Sells  
President  
Westfield Nursing Center, Inc.  
3144 State Hwy. FF  
Sikeston, MO 63801

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.

May 5, 2021  
Effective Date

  
Edward B. Galbraith, Director, Division of Environmental Quality

May 4, 2023  
Expiration Date

  
Chris Wieberg, Director, Water Protection Program

## CONSTRUCTION PERMIT

### **I. CONSTRUCTION DESCRIPTION**

Conversion of an existing three cell discharging lagoon to a no-discharge land application system. Existing lagoon will be replaced with a single cell earthen lagoon basin with a working storage capacity of approximately 606,000 gallons. Sludge from existing lagoon is proposed to be closed in-place; all sludge must be handled in accordance with a sludge disposal plan approved by the Southeast Regional Office. Addition of an irrigation pumping station with two 3-HP KHG-33 pumps (or equivalent) with combined capacity of approximately 100 gpm at a TDH of 78 feet, approximately 2,630 lineal feet of 3-inch and 1.5 inch pvc force main; two separate land application sites with 26 fixed sprinkler heads over approximately 3.0 acres. Together with all the necessary appurtenances to make a complete and usable wastewater system to serve a nursing home and effectively treat, hold and land apply a wastewater flow of 5,000 gallons per day with no-discharge to waters of the state. The site is located in the NW 1/4, of Section 2, T25N, R13E; New Madrid County.

Approximate locations:

Lagoon basin emergency discharge point      Lat/Long: 36.845146/-89.6295335  
UTM: X=265537, Y=4080922; zone 16S North

Application field #1      Lat/Long: 36.845490/-89.629705  
UTM: X=265523, Y=4080960; zone 16S North

Application field #2      Lat/Long: 36.846507/-89.631159  
UTM: X=265396, Y=4081076; zone 16S North

Vegetation: grass

Dry weather average annual flow: 5,000 GPD  
Average annual flow from precipitation: 298 GPD

Design spray irrigation: up to 1 inch/day, up to 3 inches/week, up to 24 inches/year (includes average rainfall minus evaporation)  
Application area required for 24 inches/year: 2.96 acres.  
Application area used: 3.0 acres.

Sludge will be stored in the treatment lagoon and removed when necessary.

Storage basin and application site will be fenced and fitted with warning signs.

A closure/sludge disposal plan will need to be submitted to the Southeast Regional Office for review and approval prior to closure activities.

This project will also include general site work appropriate to the scope and purpose of the project and all necessary appurtenances to make a complete and usable wastewater treatment facility.

## **II. COST ANALYSIS FOR COMPLIANCE**

Pursuant to Section 644.145, RSMo, when issuing permits under this chapter that incorporate a new requirement for discharges from publicly owned combined or separate sanitary or storm sewer systems or publicly owned treatment works, or when enforcing provisions of this chapter or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., pertaining to any portion of a publicly owned combined or separate sanitary or storm sewer system or [publicly owned] treatment works, the Department of Natural Resources shall make a “finding of affordability” on the costs to be incurred and the impact of any rate changes on ratepayers upon which to base such permits and decisions, to the extent allowable under this chapter and the Federal Water Pollution Control Act. This process is completed through a cost analysis for compliance. Permits that do not include new requirements may be deemed affordable.

The Department is not required to complete a cost analysis for compliance because the facility is not a combined or separate sanitary sewer system for a publically-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. All construction shall be consistent with plans and specifications signed and sealed by Richard Cochran, P.E., Waters Engineering, Inc. and as described in this permit.
3. The Department must be contacted in writing prior to making any changes to the 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(11).
4. 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 Southeast Regional Office per 10 CSR 20-7.015(9)(G).
5. The wastewater treatment lagoon shall be located at least 200 ft. to a neighboring residence per 10 CSR 20-8.140(C)(2). The distance to the property line from the wetted application area is allowed to be 40 feet in an area shown on the plans since a vegetated buffer will be permanently maintained and there will be no application during high winds. The property line adjoins an agricultural field in this area.
6. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.

7. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation per 10 CSR 20-8.140(2)(B). The minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300') per 10 CSR 20-8.140(2)(C)1.
8. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of 1 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 will only be obtained by means of the Department's ePermitting system available online at [dnr.mo.gov/env/wpp/epermit/help.htm](http://dnr.mo.gov/env/wpp/epermit/help.htm). See [dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm](http://dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm) for more information.
9. A United States Army Corps of Engineers (USACE) Clean Water Act Section 404 Department of the Army permit and a Section 401 Water Quality Certification issued by the Department may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied or notification is provided that no Section 404 permit is required by the USACE. You must contact your local USACE district since they determine what waters are jurisdictional and which permitting requirements may apply. You may call the Department's Water Protection Program, Operating Permits Section at 573-522-4502 for more information. See [dnr.mo.gov/env/wpp/401/](http://dnr.mo.gov/env/wpp/401/) for more information.
10. In accordance with 10 CSR 20-6.010(12), a full closure plan shall be submitted to the Department's Southeast Regional Office for review and approval of the permitted wastewater treatment system being replaced. The closure plan must address the removal and disposal of all sludge. The closure plan must meet the requirements outlined in Standard Conditions Part III of the Missouri State Operating Permit No. MO- 0031496. Closure shall not commence until the submitted closure plan is approved by the Department.
11. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
  - Flood protection shall apply to new construction and to existing facilities undergoing major modification. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation. 10 CSR 20-8.140 (2) (B)
  - Unless another distance is determined by the Missouri Geological Survey or by the department's Public Drinking Water Branch, the minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300'). 10 CSR 20-8.140 (2) (C) 1.

- No treatment unit with a capacity of twenty-two thousand five hundred gallons per day (22,500 gpd) or less shall be located closer than the minimum distance of 200' to a neighboring residence and 50' to property line for lagoons. See 10 CSR 20-2.010(68) for the definition of a residence. 10 CSR 20-8.140 (2) (C) 2
- Facilities shall be readily accessible by authorized personnel from a public right-of-way at all times. 10 CSR 20-8.140 (2) (D)
- No piping or other connections shall exist in any part of the wastewater treatment facility that might cause the contamination of a potable water supply. 10 CSR 20-8.140 (7) (D) 1.
- Where a potable water supply is to be used for any purpose in a wastewater treatment facility other than direct connections, a break tank, pressure pump, and pressure tank or a reduced pressure backflow preventer consistent with the department's Public Drinking Water Branch shall be provided. 10 CSR 20-8.140 (7) (D) 3. A.
- For indirect connections, a sign shall be permanently posted at every hose bib, faucet, hydrant, or sill cock located on the water system beyond the break tank or backflow preventer to indicate that the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 3. B.
- Where a separate non-potable water supply is to be provided, a break tank will not be necessary, but all system outlets shall be posted with a permanent sign indicating the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 4.
- A means of flow measurement shall be provided at all wastewater treatment facilities. 10 CSR 20-8.140 (7) (E)
- Adequate provisions shall be made to effectively protect facility personnel and visitors from hazards. The following shall be provided to fulfill the particular needs of each wastewater treatment facility:
  - Fencing. Enclose the facility site with a fence designed to discourage the entrance of unauthorized persons and animals; 10 CSR 20-8.140 (8) (A)
  - Gratings over appropriate areas of treatment units where access for maintenance is necessary; 10 CSR 20-8.140 (8) (B)
  - First aid equipment; 10 CSR 20-8.140 (8) (C)
  - Posted "No Smoking" signs in hazardous areas; 10 CSR 20-8.140 (8) (D)
  - Appropriate personal protective equipment (PPE); 10 CSR 20-8.140 (8) (E)
  - Portable blower and hose sufficient to ventilate accessed confined spaces; 10 CSR 20-8.140 (8) (F)
  - 10 CSR 20-8.140 (8) (G) Portable lighting equipment complying with NEC requirements. See subsection (7)(B) of this rule;
  - 10 CSR 20-8.140 (8) (H) Gas detectors listed and labeled for use in NEC Class I, Division 1, Group D locations. See subsection (7)(B) of this rule;
  - Appropriately-placed warning signs for slippery areas, non-potable water fixtures (see subparagraph (7)(D)3.B. of this rule), low head clearance areas, open service manholes, hazardous chemical storage areas, flammable fuel storage areas, high noise areas, etc.; 10 CSR 20-8.140 (8) (I)

- Explosion-proof electrical equipment, non-sparking tools, gas detectors, and similar devices, in work areas where hazardous conditions may exist, such as digester vaults and other locations where potentially explosive atmospheres of flammable gas or vapor with air may accumulate. 10 CSR 20-8.140 (8) (K)
  - Provisions for local lockout/tagout on stop motor controls and other devices; 10 CSR 20-8.140 (8) (L)
- Lagoon berms shall be constructed of relatively impervious material and compacted to at least ninety-five percent (95%) maximum dry density test method to form a stable structure. 10 CSR 20-200(4)(A)1.
- The minimum berm width shall be eight feet (8') to permit access of maintenance vehicles. 10 CSR 20-8.200 (4) (A) 2.
- Minimum freeboard shall be two feet (2'). 10 CSR 20-8.200 (4) (A) 3.
- An emergency spillway shall be provided that—
  - Prevents the overtopping and cutting of berms; 10 CSR 20-200(4)(A)4.A.
  - Is compacted and vegetated or otherwise constructed to prevent erosion; 10 CSR 20-200(4)(A)4.B. and
  - Has the ability for a representative sample to be collected, if discharging. 10 CSR 20-200(4)(A)4.C.
- Soil shall be compacted with the moisture content between two percent (2%) below and four percent (4%) above the optimum water content and compacted to at least ninety-five percent (95%) maximum dry density test method. 10 CSR 20-8.200 (4) (B).
- The lagoon shall be sealed to ensure that seepage loss is as low as possible and has a design permeability not exceeding  $1.0 \times 10^{-7}$  cm/sec. 10 CSR 20-8.200(4)(C)1.
- The minimum thickness of the compacted clay liner must be twelve inches (12"). For permeability coefficients greater than  $1.0 \times 10^{-7}$  cm/sec or for heads over five feet (5') such as an aerated lagoon system, the following formula shall be used to determine minimum seal thickness, Equation 200-1 per 10 CSR 20-8.200(4)(C)2.:  
Equation 200-1

$$t = \frac{H \times K}{5.4 \times 10^{-7} \text{ cm/sec}}$$

Where:

K = the permeability coefficient of the soil in question;

H = the head of water in the lagoon; and

t = the thickness of the soil seal.

- Unlined corrugated metal pipe shall not be used for influent lines due to corrosion problems. 10 CSR 20-8.200 (4) (D) 1.
- The influent line(s) shall be located along the bottom of the lagoon so that the top of the pipe is just below the average elevation of the lagoon seal; however, there shall be an adequate seal below the pipe. 10 CSR 20-8.200 (4) (D) 3.
- The wetted application area of a surface irrigation system must be located:
  - Outside of flood-prone areas having a flood frequency greater than once every ten (10) years; 10 CSR 20-8.200 (6) (B) 1.

- At least one hundred fifty feet (150') from existing dwellings or public use areas, excluding roads or highways; 10 CSR 20-8.200 (6) (B) 2. A.
- At least fifty feet (50') inside the property line; 10 CSR 20-8.200 (6) (B) 2. B.
- At least three hundred feet (300') from any sinkhole, losing stream, or other structure or physiographic feature that may provide direct connection between the ground water table and the surface; 10 CSR 20-8.200 (6) (B) 2. C.
- At least three hundred feet (300') from any existing potable water supply well not located on the property. Adequate protection shall be provided for wells located on the application site; 10 CSR 20-8.200 (6) (B) 2. D.
- One hundred feet (100') to wetlands, ponds, gaining streams (classified or unclassified; perennial or intermittent); 10 CSR 20-8.200 (6) (B) 2. E. and
- If an established vegetated buffer or the wastewater is disinfected, the setbacks established in subsections (A)–(E) above may be decreased if the applicant demonstrates the risk is mitigated. 10 CSR 20-8.200 (6) (B) 2. F.
- For the Westfield Nursing Center, covered by CP0002191, the distance to the property line is allowed to be 40 feet in an area shown on the plans since a vegetated buffer will be permanently maintained and there will be no application during high winds. The property line adjoins an agricultural field.
- The wetted application area of a surface irrigation system must be fenced, or if not fenced, provide in the construction permit application or the facility plan, the
  - Method of disinfection being utilized; 10 CSR 20-8.200 (6) (B) 3. A.
  - Suitable barriers in place, 10 CSR 20-8.200 (6) (B) 3. B. or
  - Details on how public access is limited and not expected to be present. 10 CSR 20-8.200 (6) (B) 3. C.
- At a minimum, treatment prior to irrigation shall provide performance equivalent to that obtained from a primary wastewater lagoon cell and include 75 days wastewater storage in addition to the primary volume. 10 CSR 20-8.200 (6) (C)
- The public shall not be allowed into an area when irrigation is being conducted; 10 CSR 20-8.200 (6) (F) 2.

12. Upon completion of construction:

- A. Submit an electronic copy of the as built if the project was not constructed in accordance with previously submitted plans and specifications; and
- B. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N) and request the Operating Permit to be modified.
- C. Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ( $\leq 100,000$  gallons per day) was submitted with the construction permit application. It is the Department's intention to issue a General permit for land application of domestic wastewater, MO-G823, at the completion of construction.

## **IV. REVIEW SUMMARY**

### **1. CONSTRUCTION PURPOSE**

Conversion to a no-discharge system from a discharging lagoon will address ammonia limits.

### **2. FACILITY DESCRIPTION**

The Westfield Nursing Center wastewater treatment facility is located at 3144 State Hwy. FF, New Madrid County, Missouri. The current facility is a 3 cell lagoon with chlorination and dechlorination, and has a design flow of 11,000 gpd, with an organic population equivalent of 183.

The proposed treatment facility will have a reconstructed single lagoon cell with a surface area of approximately 21,845 square feet and an effective storage volume of approximately 606,000 gallons. Land application to occur over approximately 3.0 acres at a maximum rate of 24 inches/year utilizing spray irrigation with fixed sprinklers. The no-discharge system will have a design flow of 5,298 gpd which includes the average annual precipitation accumulation. The dry weather design flow is 5,000 gpd. The design PE is 50.

### **3. COMPLIANCE PARAMETERS**

The proposed project is required to meet the requirements of MOG823 with an expiration date of August 24, 2022. The facility will be required to monitor storage basin freeboard, daily precipitation, daily volume land applied, application area and application rate per Table A and Table B.

### **4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA**

The design flow from the nursing home will be reduced from 11,000 gpd to 5,000 gpd. This is based on having up to 50 occupied beds in the nursing home. The original design of the complex was to have more beds than were ever realized. The actual flow at the current lagoon is approximately 4,000 gpd.

The area that will take on precipitation to the new storage basin is considered to be 21,845 sq. ft. The average annual rainfall minus evaporation is estimated to be 8 inches. For land application purposes, this additional water from annual precipitation (108,945 gallons per year or 298 gpd) is to be included in the total amount of water that needs to be land applied. The dry weather design flow is 5,000 gpd; the wet-weather design flow is considered to be 5,298 gpd.

The existing three cell lagoon will have all the sludge processed and disposed. Details of the sludge disposal need to be approved by the Southeast Regional Office. The new earthen lagoon basin will be sealed with native clay soil, bentonite may be used if needed for sealing purposes at a rate of 3 pounds per sq. ft. (1.5 lbs./sq. ft. per 6-



inch lift). The basin will have a bottom rectangular dimension of approx. 157 ft. X 47 ft. and will have 3:1 interior sloping walls; the depth from the top of the berms to the lagoon floor will be 10 feet. There will be an emergency spillway one foot below the berm top. The storage volume is between the two foot depth and the 7.7 foot depth. The distance between the maximum storage level and the spillway (1.3 feet) is reserved for the 25 year, 24 hour storm event. The storage volume is estimated to be approx. 606,000 gallons. The storage volume must hold a minimum of 75 days of flow and the estimated precipitation during the same period during the wettest 1 in 10 year. Precipitation for the wettest 90 days is estimated at 18 inches. Allowing 18 inches for precipitation and using only the lower 4.2 feet results in a storage volume of approximately 409,000 gallons which is sufficient for over 81 days of storage of the design flow.

The water from the holding basin will be land applied by spray irrigation to grass fields with an approximate wetted area of 3.0 acres. There will be a total of 26 fixed sprinklers with a spray radius of 40 ft., each sprinkler will be set to irrigate a full circle. Application field #1 will have 7 fixed sprinkler heads and have an effective wetted area of approximately 0.8 acres. Application field #2 will have 19 fixed sprinkler heads and have an effective wetted area of approximately 2.2 acres. At the wet weather design flow the minimum area required for a maximum of 24 inches of applied wastewater per year is 2.96 acres. Water will be irrigated by a pump station with two 3-HP KHG-33 submersible pumps (or equivalent), 3 phase, 460 volt, with a capacity of approximately 100 gpm operating together; distribution system to have approximately 780 feet of 3-inch pvc force main, approximately 1,890 feet of 1.5-inch pvc force main, and 26 fixed sprinklers. Sprinkler heads to be Rainbird Model 30H, with 3/8-inch nozzle (or equivalent). Design is intended have ability to provide irrigation to both fields with both pumps operating, or a portion of the sprinklers with one pump operating.

The application rate is intended to be approximately 100 gpm. Maximum application rates are 1 inch per day; and 3 inches per week. At full design flow, yearly application would take approximately 322 hours (40 – 8 hr. days).

The distance to the property line from the wetted application area is allowed to be 40 feet in an area shown on the plans since a vegetated buffer will be permanently maintained and there will be no application during high winds. The property line adjoins an agricultural field in this area. The normal setback is 50 feet to a property line.

## **5. OPERATING PERMIT**

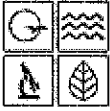
Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ( $\leq 100,000$  gallons per day) was submitted with the construction permit application. It is the Departments intention to issue a General permit for land application of domestic wastewater, MO-G823, at the completion of construction.

## **V. NOTICE OF RIGHT TO APPEAL**

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to Section 621.250 RSMo. To appeal, you must file a petition with the AHC 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 AHC. Any appeal should be directed to:

Administrative Hearing Commission  
U.S. Post Office Building, Third Floor  
131 West High Street, P.O. Box 1557  
Jefferson City, MO 65102-1557  
Phone: 573-751-2422  
Fax: 573-751-5018  
Website: <https://ahc.mo.gov>

Andrew Appelbaum, P.E.  
Engineering Section  
[andy.appelbaum@dnr.mo.gov](mailto:andy.appelbaum@dnr.mo.gov)



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

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED	CHECK NO.
DATE RECEIVED	

**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: \_\_\_\_\_  N/A
- 1.3 Has the department approved the proposed project's facility plan\*?  
 YES Date of Approval: \_\_\_\_\_  NO (If No, complete No. 1.4.)
- 1.4 [Complete only if answered No on No. 1.3.] Is a copy of the facility plan\* for wastewater treatment facilities included with this application?  
 YES  NO  Exempt because \_\_\_\_\_
- 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: \_\_\_\_\_  
 Enclosed is the appropriate operating permit application and fee submittal. Denote which form:  A  B  B2  
 N/A: However, In the event the department believes that my operating permit requires revision to permit limitation such as changing equivalent to secondary limits or adding total residual chlorine limits, please share a draft copy prior to public notice?  YES  NO
- 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency?  YES  NO
- 1.9 Is the appropriate fee or JetPay confirmation included with this application?  YES  NO  
 See Section 7.0

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

**2.0 PROJECT INFORMATION**


2.1 NAME OF PROJECT Wastewater Treatment Improvements	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 159,000
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2.3 PROJECT DESCRIPTION  
 Modification of existing three cell facultative lagoon into a land application treatment system

2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION  
 Sludge is retained in lagoon

2.5 DESIGN INFORMATION  
 A. Current population: 45; Design population: 50  
 B. Actual Flow: 3400 gpd; Design Average Flow: 5000 gpd;  
 Actual Peak Daily Flow: 5000 gpd; Design Maximum Daily Flow: 5000 gpd; Design Wet Weather Event: 5000

2.6 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 Westfield Nursing Center, Inc.		TELEPHONE NUMBER WITH AREA CODE 573-471-1174		E-MAIL ADDRESS
ADDRESS (PHYSICAL) 3144 State Hwy FF	CITY Sikeston	STATE MO	ZIP CODE 63801	COUNTY New Madrid
Wastewater Treatment Facility: Mo- 0045403 (Outfall 1 Of 1 )				
3.1 Legal Description: _____ ¼, _____ ¼, _____ ¼, Sec. 2 _____, T 25N, R 13E (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): 800570 Northing (Y): 4083002 For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: Tributary to Ash Slough Ditch				
4.0 PROJECT OWNER				
NAME Ben Sells		TELEPHONE NUMBER WITH AREA CODE 573-471-1174		E-MAIL ADDRESS ben@paradigmseior.com
ADDRESS 3144 State Hwy FF	CITY Sikeston	STATE MO	ZIP CODE 63801	
5.0 CONTINUING AUTHORITY: A continuing authority is a company, business, entity or person(s) that will be operating the facility and/or ensuring compliance with the permit requirements.				
NAME Same as above		TELEPHONE NUMBER WITH AREA CODE		E-MAIL ADDRESS
ADDRESS	CITY	STATE	ZIP CODE	
5.1 A letter from the continuing authority, if different than the owner, is included with this application. <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO				
B. 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? <input type="checkbox"/> YES <input type="checkbox"/> NO				
C. 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? <input type="checkbox"/> YES <input type="checkbox"/> NO				
D. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application? <input type="checkbox"/> YES <input type="checkbox"/> NO				
6.0 ENGINEER				
ENGINEER NAME / COMPANY NAME Richard E Cochran, Jr./Waters Engineering, Inc		TELEPHONE NUMBER WITH AREA CODE 5673-471-5680		E-MAIL ADDRESS rcochran@waterseng.com
ADDRESS P.O. Box 567	CITY Sikeston	STATE MO	ZIP CODE 63801	
7.0 APPLICATION FEE				
<input checked="" type="checkbox"/> CHECK NUMBER <input type="checkbox"/> JETPAY CONFIRMATION NUMBER				
8.0 PROJECT OWNER: 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, 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 knowing violations.				
PROJECT OWNER SIGNATURE 				
PRINTED NAME Ben Sells				DATE
TITLE OR CORPORATE POSITION President		TELEPHONE NUMBER WITH AREA CODE 573-471-1174		E-MAIL ADDRESS ben@paradigmseior.com
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.				