

DRAFT

**AUTHORIZATION TO DISCHARGE UNDER THE  
OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NUMBER: OK0045837  
ID NUMBER: W20411**

**PART I**

In compliance with the Oklahoma Pollutant Discharge Elimination System Act (OPDES Act), Title 27A O.S. § 2-6-201 *et seq.* as amended, and the rules of the State of Oklahoma Department of Environmental Quality (DEQ) adopted thereunder {See OAC 252:606}; the Federal Clean Water Act, Public Law 95-217 (33 U.S.C. 1251 *et seq.*), Section 402; and NPDES Regulations (40 CFR Parts 122, 124, and 403),

Porum Water Treatment Plant  
(Facility I.D. No. W20411)  
Town of Porum  
P.O. Box 180  
Porum, OK 74455

is hereby authorized to discharge treated wastewater from a facility located at approximately

SW ¼, SW ¼, SW ¼, Section 3,  
Township 10 North, Range 18 East, IM,  
McIntosh County, Oklahoma

to receiving waters: Eufaula Lake at the point located at approximately

Latitude: 35° 21' 45.30" N [GPS: NAD 1983 CONUS]  
Longitude: 95° 23' 31.70" W [GPS: NAD 1983 CONUS]

Water Body I.D. No. 220600010020\_00

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, III, and IV hereof.

This permit replaces and supersedes the previous permit issued on July 16, 2015.

The issuance date of this permit is Month Date Year.

This permit shall become effective Month Date Year.

This permit and authorization to discharge shall expire at midnight Month Date Year.

For the Oklahoma Department of Environmental Quality:

\_\_\_\_\_  
Michael B. Moe, P.E., Manager  
Municipal Discharge and Stormwater Permit Section  
Water Quality Division

\_\_\_\_\_  
Shellie R. Chard, Director  
Water Quality Division

**A. Effluent Limitations and Monitoring Requirements (Outfall 001)**

**1. Final Limitations**

Beginning the effective date of the permit through the expiration date of the permit, the permittee is authorized to discharge treated filter backwash water in accordance with the following limitations:

Effluent Characteristic	Discharge Limitations			Monitoring Requirements	
	Mass Loading (lb/day)	Concentrations (mg/l unless otherwise specified)		Frequency <sup>a</sup>	Sample Type
	Monthly Avg.	Monthly Avg.	Daily Max.		
<b>Flow (mgd)</b> [50050]	---	Report	Report	2/week	Estimate
<b>Total Suspended Solids (TSS)</b> [00530]	5.0	20.0	30.0	1/month <sup>b</sup>	Grab
<b>Iron, Dissolved</b> [01046]	0.25	1.0	2.0	1/month <sup>b</sup>	Grab
<b>Aluminum, Dissolved</b> [01106]	0.25	1.0	2.0	1/month <sup>b</sup>	Grab
<b>Manganese, Dissolved</b> [01056]	0.25	1.0	2.0	1/month <sup>b</sup>	Grab
<b>Total Residual Chlorine (TRC)</b> [50060]	---	---	Report	1/week	Grab
<b>pH (s.u.)</b> [00400]	---	6.5 – 9.0		2/week	Grab

<sup>a</sup> When discharging.

<sup>b</sup> Readings may be averaged for the month if an individual sample is in excess of the monthly average.

**2. Year-round Requirements**

- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of water courses or which cause deleterious effects to the biota.
- Samples taken for compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit.
- All monitoring and reporting requirements shall also be in compliance with Part III of this permit.

**B. Reporting of Monitoring Results**

Monitoring results shall be reported in accordance with the provisions of Part III.B.5 of the permit. Monitoring results obtained during the previous month shall be summarized and electronically reported on an electronic Discharge Monitoring Report (eDMR) form due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section no later than the 15<sup>th</sup> day of the month following the completed monthly test. If no discharge occurs during the reporting period, an eDMR form stating "No Discharge" shall be electronically submitted according to the above schedule. Instructions on how to register as a Preparer or Signatory for eDMRs, as well as how to prepare and submit eDMRs, can be found on DEQ's website at <http://www.deq.state.ok.us/wqdnew/ereporting/index.html>. Assistance is also available by contacting DEQ at (405) 702-81000 or [deqreporting@deq.ok.gov](mailto:deqreporting@deq.ok.gov).

The first report is due on the 15<sup>th</sup> of MONTH, 2020.



**PART II. OTHER PERMIT REQUIREMENTS**

- A. The permittee is hereby given notice that this permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions and requirements and any and all amendments of the laws of the State of Oklahoma, DEQ rules, and Oklahoma's Water Quality Standards. The absence of any express reference within this permit of any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s) to this permit or the permittee.
- B. All laboratory analyses for the parameters specified in this permit must be performed by a laboratory certified by DEQ for those parameters.
- C. Unless otherwise specified in this permit, monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed at 40 CFR Part 136 in effect on the effective date of this permit. Appendices A, B, and C to 40 CFR Part 136 are specifically referenced as part of this requirement. Amendments to 40 CFR Part 136 promulgated after the effective date of this permit shall supersede these requirements as applicable.
- D. RESIDUALS (SLUDGE) REQUIREMENTS
1. Residuals (sludge) shall not be removed from this facility nor shall the facility be closed until a Residuals Management Plan, or Closure Plan if applicable, has received written approval by the Oklahoma Department of Environmental Quality (DEQ). At a minimum, the residuals management plan must demonstrate that those residual disposal practices comply with the DEQ rules governing Residuals Management (OAC 252:626-13). All residuals (sludge) must be handled and disposed of in accordance with all applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present.
  2. The permittee is required to maintain all records relevant to biosolids/residuals disposal for the life of this permit. These records shall be made available to the ODEQ upon request.
  3. The permittee shall give 120 days prior notice to the DEQ of any changes in the residuals (sludge) disposal practice.
- E. This permit may be re-opened for modification or revocation and reissuance to require additional monitoring and/or effluent limitations where actual or potential exceedances of State water quality criteria are determined to be the result of the permittee's discharge to the receiving water, or a revised Total Maximum Daily Load (TMDL) is established for the receiving water, or when required as technology. Modification or revocation and reissuance of the permit shall follow regulations listed at 40 CFR 124.5.

**FACT SHEET**

**(Draft of April 1, 2020)**

FOR THE DRAFT AUTHORIZATION TO DISCHARGE TO WATERS OF THE UNITED STATES  
UNDER THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM (OPDES).

DEQ Permit Number:       OK0045837

State ID Number:         W20411

Applicant:                Town of Porum  
                              P.O. Box 180  
                              Porum, OK 74455

Issuing Office:           Oklahoma Department of Environmental Quality (DEQ)  
                              Water Quality Division  
                              707 North Robinson  
                              P.O. Box 1677  
                              Oklahoma City, Oklahoma 73101-1677

Prepared By:             Kimberly Carkin, Permit Writer  
                              Municipal Permits Section  
                              Water Quality Division

Date Prepared:            April 1, 2020

Reviewed By:             Michael B. Moe, P.E., Manager  
                              Municipal Discharge and Stormwater Permit Section  
                              Water Quality Division

Karen Steele, P.E. Engineering Manager  
Wastewater Group  
Water Quality Division

The State of Oklahoma Department of Environmental Quality (DEQ) has made a tentative determination to issue a permit for the discharge described in the application. The DEQ is the permitting authority and this permit will be enforceable under both Federal and State laws, rules and regulations. Permit requirements are based on NPDES regulations (40 CFR Parts 122, 124, and 403) and the Oklahoma Pollutant Discharge Elimination System Act (OPDES Act), Title 27A O.S., § 2-6-201 *et seq.* and the rules of the DEQ adopted thereunder {See OAC 252:606}.

**I. PERMITTING BACKGROUND**

**A. CHRONOLOGY OF PERMITTING ACTIVITIES**

The following is a chronology of permitting activities since issuance of the previous OPDES permit:

Month Date, Year:	Draft permit package sent to applicant for courtesy review and for public notice.
March 6, 2020:	Site visit conducted.
March 6, 2020:	Administrative review of permit application completed.
January 30, 2020:	OPDES permit application (Form 2M2) received.
July 16, 2015:	Previous OPDES permit issued.

**B. PROPOSED PERMITTING ACTION**

It is proposed that Permit No. OK0045837, which was effective August 1, 2015, and expires July 31, 2020, and for which application for renewal was timely submitted prior to permit expiration, be reissued for a five year term in accordance with regulations promulgated at 40 CFR 122.46(a) and OAC 252:606-1-3(b).

**II. APPLICANT ACTIVITY**

**A. DESCRIPTION AND LOCATION OF FACILITY**

The facility is located in the SW ¼, SW ¼, SW ¼, Section 3, Township 10 North, Range 18 East, IM, McIntosh County, Oklahoma. Under SIC Code 4941, the facility provides public water services.

**B. WASTEWATER GENERATION AND TREATMENT**

**1. Treatment Plant**

The facility is a conventional Water Treatment Plant that produces approximately 6.0 million gallons per day (mgd) of potable water. The wastewater from the filter backwash operation undergoes settling in a two-cell lagoon system before being discharged. The flow of discharge from the filter backwash operations is 0.03 mgd, which is less than 10% of the design capacity of the water treatment plant.

**III. DISCHARGE LOCATION**

**Sampling Point and Outfall 001**

Sampling Point and Outfall	Location			Receiving Stream
	Legal Description	Latitude	Longitude	
Outfall 001 (physical location/and sampling point)	SW ¼, SE ¼, SW ¼, Section 3, Township 10 North, Range 18 East, Indian Meridian, McIntosh County, Oklahoma	35° 21' 45.30" N (GPS: 1983 NAD)	95° 23' 31.70" W (GPS: 1983 NAD)	Eufaula Lake



**IV. TECHNOLOGY-BASED EFFLUENT LIMITATIONS AND CONDITIONS**

**A. General**

Regulations promulgated at 40 CFR Part 122.44(a) and OAC 252:606-5-2(2) require technology-based effluent limitations to be placed in OPDES permits based on effluent limitation guidelines where applicable, on Best Professional Judgment (BPJ) of the permit writer in the absence of guidelines, or on a combination of the two.

**B. Applicable Effluent Limitations Guidelines**

Technology-based effluent guidelines have not been promulgated for filter backwash operations. Therefore, the following proposed permit limitations have been developed and are based on EPA Region 6's recommendations for discharges from water treatment plants and previously issued State permits for water plants that use lime, alum (or other aluminum salts) or ferric chloride to treat water; and use chlorine, chlorine dioxide or ozone to disinfect the treated water in order to provide potable water to the public; and discharge wastewater resulting from the backwashing of filters. The limits established for total suspended solids and pH are judged to represent the degree of effluent reduction attainable through the application of Best Conventional Technology (BCT). The limits established for dissolved iron, aluminum, and manganese are judged to represent the level of treatment attainable through the application of the Best Available Technology (BAT) that is economically achievable.

**BCT and BAT Effluent Limitations for Filter Backwash Wastewater**

Parameter	Concentration (mg/l)	
	Monthly Average	Daily Max.
Total Suspended Solids (TSS)	20.0	30.0
Iron, Dissolved	1.0	2.0
Aluminum, Dissolved	1.0	2.0
Manganese, Dissolved	1.0	2.0
pH (standard unit)	6.5 – 9.0	

**V. EFFLUENT LIMITATIONS AND CONDITIONS**

**A. RECEIVING STREAM DESIGNATED USES AND ANTIDegradation PROVISIONS**

Outfall 001 discharges into the Eufaula Lake (WBID 220600010020\_00), in Segment 220600 of the Lower Arkansas River Basin. As designated in Appendix A of the Oklahoma Water Quality Standards (OWQS), the designated beneficial uses in this segment are:

- Public and Private Water Supplies (OAC 785:45-5-10)
- Fish and Wildlife Propagation (OAC 785:45-5-12)/Warm Water Aquatic Community
- Agriculture (OAC 785:45-5-13)
- Primary Body Contact Recreation (OAC 785:45-5-16)
- Aesthetics (OAC 785:45-5-19)
- Fish Consumption (OAC 785:45-5-20)

This segment of Eufaula Lake is not designated as an Outstanding Resource Water (ORW), High Quality Water (HQW), or Sensitive Water Supply (SWS) in Appendix A of the OWQS. However, the stream segment 220600 in which the discharge lies is designated in Table 1 of Appendix B of the OWQS as an area of ecological and/or recreational significance. Since this is a permit renewal of an

existing discharge and there is no proposed increase in flow, the reissuing of this permit is not likely to adversely affect any areas with waters of recreational and/or ecological significance. The segment described in Table 2 is described as the Canadian River, main channel from the state line in Ellis and Roger Mills Counties, downstream to the Indian Nation Turnpike bridge west, of Eufaula Reservoir, which is over 60 miles upstream from the point of discharge. Therefore, the discharge will not affect the area listed within Table 2 of Appendix B.

## **B. WATER QUALITY STANDARDS IMPLEMENTATION**

### **1. Fish and Wildlife Propagation (Outfalls 001)**

#### **a. DO and DO-Demanding Substances**

Based on the characteristics of the filter backwash wastewater being discharged from potable water treatment facilities, DO and DO-demanding substances are not expected to be present in the discharge. Therefore, neither effluent limits nor monitoring requirements for DO and DO-demanding substances are needed in this permit.

#### **b. pH**

OAC 785:45-5-12(f)(3) states, "pH values shall be between 6.5 and 9.0 in waters designated for fish and wildlife propagation; unless pH values outside that range are due to natural conditions." This pH range is established in this permit.

#### **c. Oil and Grease**

Based on the characteristics of the filter backwash wastewater being discharged from potable water treatment facilities, oil and grease is not expected to be present in the discharge. Therefore, neither effluent limits nor monitoring requirements for oil and grease are needed in this permit. However, in accordance with OAC 758:45-5-12(f)(4), a narrative condition prohibiting the discharge of any visible sheen or globules of oil or grease or in quantities that adhere to stream banks and coat bottoms of water courses or which cause deleterious effects to the biota will be included in the draft permit.

#### **d. Toxicity from Halogenated Oxidants**

Water used for the backwashing filters at potable water treatment facilities might contain some residual of disinfectant resulting from the treatment and disinfection of water prior to distribution to the public. Filter backwash wastewater must be allowed enough detention time in the proper designed holding ponds (in accordance with OAC 252:626-13-4) so that disinfectant residual is completely dissipated. Thus, no disinfectant residual is expected to be present in the discharge. However, the draft permit will contain monitoring of the total residual chlorine in the effluent to characterize the amount of residual disinfectant in the effluent.

#### **e. Toxic Substances**

Based on the characteristics of the filter backwash wastewater being discharged from conventional potable water treatment facilities, toxic substances are not expected to be present in the discharge. Therefore, neither effluent limits nor monitoring requirements for toxic substances are needed in this permit.



**2. Bacterial Criteria – Public and Private Water Supply and Primary Body Contact Recreation Use (Outfalls 001)**

Based on the characteristics of the filter backwash wastewater being discharged from potable water treatment facilities, bacteria are not expected to be present in the discharge at levels that could affect the designated use. Therefore, neither effluent limits nor monitoring requirements for bacteria are needed in this permit.

**3. Aesthetics Use (Outfalls 001)**

Aesthetics use is determined in accordance with OAC 785:45-5-19. A narrative condition prohibiting the discharge of floating solids or visible foam in other than trace amounts will be included in the draft permit.

**4. Fish Consumption**

In accordance with OAC 785:45-5-20(a), “surface waters of the state shall be maintained so that toxicity does not inhibit ingestion of fish and shellfish by humans.” Based on the characteristics of the filter backwash wastewater being discharged from potable water treatment facilities, the discharge does not contain pollutants at levels which would require fish consumption water quality limits or monitoring.

**5. Pretreatment Program**

The DEQ has tentatively determined that the permittee is not required to develop a full pretreatment program.

**6. Biosolids/residuals Requirements**

The biosolids/residuals from this facility are self-contained within the filter backwash lagoon treatment system.

In accordance with OAC 252:626-3-6(c)(10), the permittee will be required to prepare and obtain approval of a Residuals Disposition Plan from the DEQ prior to removing residuals from the facility.

All residuals must be handled and disposed of in accordance with all applicable state (OAC 252:626-13-2 and OAC 252:515) and federal regulations (40 CFR Part 257, 503) to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants which may be present.

Analytical results specified in the Residuals Disposition Plan approved by the DEQ shall be kept at the facility for the life of this permit and shall be made available to DEQ staff upon request in accordance to 252:631-3-11(e). The permittee is required to maintain all records relevant to the residuals disposal for the life of the permit. These records shall be made available to the DEQ upon request.

The permittee shall give 120 days prior notice to DEQ of any change planned in the residuals disposal practice.

### C. 303(d) LIST ASSESSMENT

The facility discharges to the Eufaula Lake (WBID 220600010020\_00), in Segment 220600 of the Lower Arkansas River basin, which is on the Category 5 303(d) list, in Appendix C of the Draft 2018 Integrated Report. The listed causes are mercury and turbidity. A Total Maximum Daily Load (TMDL) for this segment of Eufaula Lake has not been completed.

#### 1. Turbidity

Controls for turbidity are established in the draft permit through effluent limits for TSS.

#### 2. Mercury

Based on the characteristics of the filter backwash wastewater being discharged, only raw water is being treated at this facility, mercury or compounds of mercury are not expected to be present in the discharge. Therefore, neither effluent limits nor monitoring requirements for mercury is needed in this permit.

A re-opener clause is included in the permit to allow for modification and/or reissuance to require additional monitoring and/or effluent limitations where actual or potential exceedances of State water quality criteria are determined to be the result of the permittee's discharge to the receiving water(s), or a revised Total Maximum Daily Load is established for the receiving water(s). Modification and/or reissuance of the permit shall follow regulations listed at 40 CFR 124.5.

### D. ANTIDegradation REQUIREMENTS

Because no antidegradation restrictions are listed in Appendix A of the OWQS for this water body, implementation of the State of Oklahoma antidegradation policy, as described at OAC 785:46, Subchapter 13, states that no special requirements beyond Tier 1 protection (maintenance and protection of designated uses, as herein described) are necessary.

### E. PROTECTION OF ENDANGERED AND THREATENED SPECIES AND CRITICAL HABITAT

The discharge location is located in waters identified as sensitive by the United States Fish and Wildlife Service (USFWS) for endangered or candidate species or critical habitat. This is a permit renewal of an existing discharge, and there is no proposed increase in discharge flow. The reissuing of the permit is not likely to adversely affect a federally listed species, or a designated critical habitat. Therefore, notification to the USFWS is not necessary.

### F. RE-OPENER CLAUSE

A re-opener clause is included in the permit.

## VI. SUMMARY OF PROPOSED PERMIT EFFLUENT LIMITATIONS

### A. GENERAL

In accordance with 40 CFR 122.44(a), (d), and (l), pollutant limitations are established in the draft permit based on the Water Quality Management Plan (208 Plan) for this facility. Mass loading limitations are calculated using the facility's design average daily flow of 0.03 mgd, and the following equation:

$$\text{Mass loading limit (in lbs/day)} = \text{Concentration limit (in mg/l)} \times Q_{e(D)} \text{ (flow in mgd)} \times 8.34$$



**B. OUTFALL 001**

Final limits and reporting requirements are effective on the effective date of the permit:

**i. Final Concentration Limitations (mg/l) and Reporting Requirements (Outfall 001)**

Effluent Characteristic <sup>a</sup>	Previous Permit		Draft Permit	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
TSS	20.0	30.0	20.0 <sup>b</sup>	30.0
Iron, Dissolved	1.0	2.0	1.0 <sup>b</sup>	2.0
Aluminum, Dissolved	1.0	2.0	1.0 <sup>b</sup>	2.0
Manganese, Dissolved	1.0	2.0	1.0 <sup>b</sup>	2.0
Total Residual Chlorine (TRC)	---	Report	---	Report
pH (standard units)	6.5 to 9.0		6.5 to 9.0	

<sup>a</sup> Units are mg/l, unless otherwise specified.

<sup>b</sup> Readings may be averaged for the month if an individual sample is in excess of the monthly average.

**ii. Final Monthly Average Mass Loading Limitations (lbs/day) and Reporting Requirements (Outfall 001)**

Effluent Characteristic	Previous Permit	Draft Permit <sup>a</sup>
Flow (mgd)	Report (Daily Max & Monthly Avg)	Report (Daily Max & Monthly Avg)
TSS	5.0	5.0
Iron, Dissolved	0.25	0.25
Aluminum, Dissolved	0.25	0.25
Manganese, Dissolved	0.25	0.25

<sup>a</sup> Readings may be averaged for the month if an individual sample is in excess of the monthly average.

**iii. Final Monitoring Requirements and Sample Types (Outfall 001)**

Effluent Characteristic	Previous OPDES Permit		Draft Permit	
	Measurement Frequency	Sample Type	Measurement Frequency <sup>a</sup>	Sample Type
Flow	Daily	Estimate	2/week <sup>b</sup>	Estimate
TSS	1/month	Grab	1/month	Grab
Iron, Dissolved	1/month	Grab	1/month	Grab
Aluminum, Dissolved	1/month	Grab	1/month	Grab
Manganese, Dissolved	1/month	Grab	1/month	Grab
Total Residual Chlorine (TRC)	1/week	Grab	1/week	Grab
pH	2/week	Grab	2/week	Grab

<sup>a</sup> When discharging

<sup>b</sup> Monitoring Frequency in accordance to OAC 252:606 Appendix G.



### **VII. SUMMARY OF CHANGES FROM PREVIOUS PERMIT**

- Flow monitoring frequency has decreased to 2/week in accordance to OAC 252:606 Appendix G.

### **VIII. REVIEW BY OTHER AGENCIES AND FINAL DETERMINATION**

A public notice which includes a link to the DEQ webpage where the draft permit may be viewed will be sent to various Federal and State agencies upon posting the draft permit in the DEQ webpage. If comments are reviewed from these agencies or other State or Federal agencies with jurisdiction over fish, wildlife, or public health, the permit may be denied or additional conditions may be included in accordance with regulations promulgated at 40 CFR 124.59.

The public notice describes the procedures for the formulation of final determinations.

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
APPLICATION FOR PERMIT TO DISCHARGE MUNICIPAL/DOMESTIC WASTEWATER  
UNDER THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM (OPDES)

COPY

Application for Permit to Discharge Municipal/Domestic Wastewater  
FORM 2M2 (Minor)

FOR DEQ USE ONLY	Application/Permit Number OK00 _____ Facility ID No. _____
	Date Received: _____
	SIC Code: _____
	If a proposed facility, give estimated date of completion: _____
	DEQ PERMIT ENGINEER: _____

DO NOT attempt to complete this application without reading the instructions!

SECTION I

1. Legal name of applicant: Town of Porum

2. Mailing address of applicant:

Street Address or P.O. Box PO Box 180  
City Porum County Muskogee State OK Zip Code 74455  
Telephone 918-484-5125 Fax 918-484-2265  
E-mail Address water1@crosstel.net

3. Name and address of facility:

Facility Name Porum Water Treatment Plant  
Street Address 'A' Street  
City Porum Landing County McIntosh State OK Zip Code \_\_\_\_\_  
Telephone 918-484-5156 Fax \_\_\_\_\_  
E-mail Address N/A

4. Location of discharging facility (e.g., NE ¼, SW ¼, SE ¼, Section 1, Township 2 North, Range 3 West):

Legal Description of Facility Location SW1/4, SE1/4, SW1/4, Section 3, Township 10N, Range 18E  
Latitude: 35°-21'-45.3" N Longitude: 95°-23'-31.7" W

5. Type of Ownership: Public  Private  Federal  State



**6. Contact Person:**

Name and Title Jimmy Robinson- Water Superintendent  
Address PO Box 69 City Porum  
County Muskogee State OK Zip Code 74455 Telephone 918-484-5125  
Fax 918-484-2265 Cell Phone 918-231-9377  
E-mail Address water1@crosstel.net

**7. Type of discharge:**

- A. Wastewater from lagoon system
- B. Wastewater from mechanical plant
- C. Other (specify) Filter backwash from water treatment plant

**8. Type of treatment:**

- A. Lagoon system with total retention by evaporation (Does not require this form, it requires Form 530E)
- B. Lagoon system with effluent used for land application only (Does not require this form, it requires Form 627-WRP)
- C. Lagoon system with effluent discharge to receiving water Backwash water
- D. Lagoon system with effluent discharge and water reuse (Also fill out Section III of application)
- E. Mechanical Plant with effluent discharge: (please describe briefly the type of treatment plant)
- F. Mechanical Plant with discharge and water reuse: (please describe briefly the type of treatment plant and fill out Section III of application)

**9. Is chlorine or any other halogen used at this facility?**

Yes    No

If yes, is dechlorination or dehalogenation used at this facility? (See instructions)

Yes    No

Is an ultraviolet (UV) system used at this facility?

Yes    No

**10. Design flow of facility in million gallons per day (mgd)** 0.6 MGD



**11. Discharge point number  
(List all outfalls)**

001  
002 (if applicable)  
003 (if applicable)

**Total volume presently discharged  
million gallons per day (mgd)**  
0.030 MGD

**12. Legal description(s) of all discharge point(s):**

**Outfall 001:**

**Name of receiving water(s):** Lake Eufaula

Discharge is (check one): Continuous  Batch  Intermittent  Seasonal

Latitude: 35 21.754 N Longitude: 95 23.493 W

Legal Description of discharge point \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section 3, Township 10N, Range 18E  
*Lots 14, 15, 16 B1K 2 Duchess Creek Acres*

**Outfall 002 (if applicable):**

**Name of receiving water(s):** \_\_\_\_\_

Discharge is (check one): Continuous  Batch  Intermittent  Seasonal

Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Legal Description of discharge point \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_

**Outfall 003 (if applicable):**

**Name of receiving water(s):** \_\_\_\_\_

Discharge is (check one): Continuous  Batch  Intermittent  Seasonal

Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Legal Description of discharge point \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_

**13. During periods of heavy rain, is the increased flow:**

- Bypassed to the receiving stream with no treatment
- Given partial treatment and discharged
- Given complete treatment and discharged
- Stored for later treatment

*Rain has little impact on  
2950045*



**14. Biosolids/Sludge generated by this facility:**

A. Current biosolids/sludge treatment process. (Please state if sludge is self-contained in the lagoon system, otherwise explain the treatment process)

\_\_\_\_\_

B. Amount of biosolids/sludge produced (dry metric tons/year) \_\_\_\_\_

1. Land application of biosolids

Sludge management plan, if any: Retained on site for now

Sludge management permit number \_\_\_\_\_ approved by the Oklahoma Department of Environmental Quality or the Oklahoma State Department of Health on \_\_\_\_\_

Location(s) of current land application site(s) (legal description to the nearest 10 acres).

Site 1: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, County \_\_\_\_\_

Site 2: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, County \_\_\_\_\_  
(if applicable)

Site 3: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, County \_\_\_\_\_  
(if applicable)

2. Landfilled sludge

Sludge disposition plan, if any: \_\_\_\_\_

Sludge disposition permit number (if applicable) \_\_\_\_\_ approved by the Department of Environmental Quality or the Oklahoma State Department of Health on \_\_\_\_\_

Name of Landfill \_\_\_\_\_

Landfill's permit number \_\_\_\_\_

Yes  No

**15. Does this facility receive industrial wastewater?**

If "Yes", Submit Section II of this form (attached) for each significant industrial facility discharging to the sewer system, including wastewater from water treatment plant.

Are industrial discharge(s) to the system(s) controlled by

- Ordinance  
 Pretreatment Program

*N/A*

Yes  No

**16. Does this facility supply reclaimed water?**

If "Yes", Submit Section III of this form (attached) for each user of reclaimed water.



**17. Landowner Notification** (THIS SECTION MUST BE COMPLETED PRIOR TO SUBMISSION OF THE APPLICATION – THE APPLICATION WILL AUTOMATICALLY BE CONSIDERED INCOMPLETE IF IT IS NOT COMPLETED):

**Is any part of the land on which the facility is located (including treatment units, discharge conveyances, stormwater holding basins, and/or flow equalization basins) owned by a person or entity other than the applicant?**

No

Yes – the applicant or applicant’s certifying official must ensure that such landowner(s) have been notified of the applicant’s intent to obtain an OPDES permit and initial the box to the right indicating that such notification has been made.

**\*NOTE: Please mail completed landowner notification affidavit form to DEQ (see instructions)**

**18. List other information which should be brought to the attention of the Department of Environmental Quality (DEQ) in regard to the issuance of a discharge permit for the facility.**



**Certification:**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I also certify that I will provide for the operation of this facility in accordance with the Oklahoma Discharge Permits and Pollution Control Regulations and will provide certified operators as required by the Oklahoma Water and Wastewater Operators Certification Act. I further certify that I shall acquire or possess a right to the use of the property or properties on which the discharging facilities, activities or discharge sources are located as well as the property on which the proposed discharge point(s) are located, including the access route thereto. I understand I shall maintain such right of use and access for the duration of the permit term. I am aware that there are significant penalties for submitting false information, including revocation of the permit and the possibility of fine and imprisonment for knowing violations.

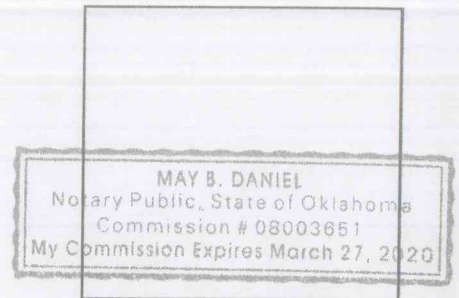
**Note:** Applications must be signed by the authorized chief elective or executive officer of the applicant, or by the applicant, if an individual.

Name (print) Mandi Anderson

Title Mayor

Date 01/17/2020

Signature *Mandi Anderson*



Notary Seal

Subscribed and sworn to before me this 17 day of January, 2020.

*M.B. Daniel*  
Notary Public Signature

My commission expires 03-27-2020

The application shall be filed in duplicate with the original and one copy to be submitted to the DEQ, and one copy to be submitted to the local DEQ office.

**Please return completed form with application fee and attachments to:**

Water Quality Division  
Department of Environmental Quality  
707 N. Robinson  
P.O. Box 1677  
Oklahoma City, Oklahoma 73101-1677