

# ADEQ

ARKANSAS  
Department of Environmental Quality

**APR 27 2016**

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (91 7199 9991 7035 3550 1119)

Alan McEntire, President  
Waste Water Management, Inc. – Woodsland Edge Subdivision  
P.O. Box 524  
Vilonia, AR 72173

RE: NPDES Permit Number AR0052621 and State Construction Permit Number AR0052621C, AFIN 23-01219

Dear Mr. McEntire:

Enclosed are the public notice, a copy of the draft NPDES permit, a copy of the draft State Construction permit, and Statement of Basis which the Arkansas Department of Environmental Quality (ADEQ) has prepared and mailed to you on the above date under the authority of the National Pollutant Discharge Elimination System (NPDES) and the Arkansas Water and Air Pollution Control Act. A copy of the final permit will be mailed to you when the Department has made a final permitting decision.

In accordance with Reg. 8.207, the enclosed public notice will be or has been published by ADEQ in a newspaper of general circulation of your facility for one (1) day only. An invoice for the cost of publishing the public notice and proof of publication will be sent to you by the advertising newspaper. The permittee must send proof of publication and proof of payment to the address at the bottom of this letter as soon as possible but no later than 30 days from the above date. Until this Department receives proof of publication of the public notice and payment of all permit fees, no further action will be taken on the issuance of your discharge permit.

Comments must be received at ADEQ prior to the close of the public comment period as described in the enclosed public notice. Once a final permit is issued by the Director and becomes effective, the permittee must comply with all terms and conditions of the permit, or be subject to enforcement actions for any instances of noncompliance during the duration of the permit, usually five (5) years. Consequently, it is imperative that you, as the applicant, thoroughly review the enclosed documentation for accuracy, applicability, and your ability to comply with all conditions therein.

Should you have any questions concerning any part of the draft permit, please contact Alex Kreps at (501) 682-0619.

Sincerely,



Caleb J. Osborne  
Associate Director, Office of Water Quality

CJO:ak

Enclosure

PUBLIC NOTICE OF DRAFT DISCHARGE PERMIT, STATE CONSTRUCTION PERMIT,  
AND 208 Plan  
NPDES PERMIT NUMBER AR0052621, STATE CONSTRUCTION PERMIT NUMBER AR0052621C,  
AFIN 23-01219

This is to give notice that the Arkansas Department of Environmental Quality (ADEQ), Office of Water Quality, 5301 Northshore Drive, North Little Rock, Arkansas 72118-5317 at telephone number (501) 682-0623, proposes a draft issuance of the NPDES permit number AR0052621 and a draft issuance of State Construction permit number AR0052337C for which an application was received on October 19, 2015, with additional information received December 3, 2015, for the following applicant under the National Pollutant Discharge Elimination System (NPDES) and the Arkansas Water and Air Pollution Control Act.

Applicant: Waste Water Management, Inc. – Woodsland Edge Subdivision, Skunk Hollow Road, Conway, AR 72032. Location: I-40 to Conway, East on Hwy 64 2.1 miles, South on Skunk Hollow Road 1.1 miles, thence on the East side of Skunk Hollow Road in Faulkner County, Arkansas; Latitude: 35° 04' 23.16" N; Longitude: 92° 22' 56.33" W in Faulkner County, Arkansas. The discharge of treated municipal wastewater is into unnamed tributary of Little Creek, thence into Little Creek, thence into Lake Conway, thence into Palarm Creek, thence into the Arkansas River in Segment 3F of the Arkansas River Basin.

Proposed Construction will include three (3) 20,000 gal septic tanks, one (1) 30,000 gal recirculation tank, a 6,000 square feet recirculating sand filter, an effluent pump tank, and a UV disinfection unit with an overall design flow of 0.03 MGD.

The 208 Plan, developed by the ADEQ under provisions of Section 208 of the federal Clean Water Act, is a comprehensive program to work toward achieving federal water goals in Arkansas. The initial 208 Plan, adopted in 1979, provides for annual updates, but can be revised more often if necessary. The 208 Plan has been proposed to add the facility and the following limits to the existing water quality limitations. These changes have also been incorporated into the draft discharge permit.

May-October:               CBOD5/TSS/NH3-N/DO = 20.0/20.0/10.0/2.0 mg/L  
November-March:        CBOD5/TSS/NH3-N/DO = 20.0/20.0/15.0/2.0 mg/L  
April                        CBOD5/TSS/NH3-N/DO = 20.0/20.0/10.8/2.0 mg/L  
Design flow (Q): 0.03 MGD  
Background Flow of the receiving stream (7Q10): 0 cfs

ADEQ's contact person for submitting written comments on the draft permit or the 208 Plan, requesting information regarding the draft permit or the 208 Plan, or obtaining a copy of the permit and the Statement of Basis is Alex Kreps, at the above address and telephone number or by email at [Water-Draft-Permit-Comment@adeq.state.ar.us](mailto:Water-Draft-Permit-Comment@adeq.state.ar.us). For those with Internet access, a copy of the proposed draft permit as well as the publication date may be found on the ADEQ's website at:

[http://www.adeq.state.ar.us/water/branch\\_permits/individual\\_permits/pn\\_permits/pnpermits.asp](http://www.adeq.state.ar.us/water/branch_permits/individual_permits/pn_permits/pnpermits.asp).

The comment period for the draft permits and the 208 Plan shall end at 4:30 P.M. (Central Time) on the 30<sup>th</sup> day after the publication date. If the last day of the comment period is a Saturday, Sunday, or legal holiday, the public comment period shall expire on the next day that is not a Saturday, Sunday, or legal holiday. For information regarding the actual publication date along with the actual date and time the comment period will end, please contact Alex Kreps at the above address and telephone number or by email at [Water-Draft-Permit-Comment@adeq.state.ar.us](mailto:Water-Draft-Permit-Comment@adeq.state.ar.us). Public notice, comments, and hearings will be conducted in accordance with Regulation 6.104(A)(5) [40 CFR Parts 124.10 through 124.12 by reference] and Regulation 8.207 through 8.210 (Administrative Procedures). All persons, including the permittee, who wish to comment on ADEQ's draft permitting decisions must submit written comments to ADEQ, along with their name and mailing address. A Public Hearing will be held when ADEQ finds a significant degree of public interest. After the public comment period, ADEQ will issue final permitting decisions. ADEQ will notify the applicant and each person who has submitted written comments or request notice of the final permitting decisions. Any interested person who has submitted comments may appeal a final decision by ADEQ in accordance with the APC&EC Regulation No. 8.603.

# DRAFT

## Statement of Basis

This Statement of Basis is for information and justification of the permit limits only. Please note that it is not enforceable. This draft permitting decision is for issuance of the discharge Permit Number AR0052621 and State Construction Permit Number AR0052621C with Arkansas Department of Environmental Quality (ADEQ) Facility Identification Number (AFIN) 23-01219 to discharge to Waters of the State.

### 1. PERMITTING AUTHORITY.

The issuing office is:

Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

### 2. APPLICANT.

The applicant's mailing address is:

Waste Water Management, Inc. - Woodsland Edge Subdivision  
P.O. Box 524  
Vilonia, AR 72173

The facility address is:

Waste Water Management, Inc. – Woodsland Edge Subdivision  
Skunk Hollow Rd.  
Conway, AR 72032

### 3. PREPARED BY.

The permit was prepared by:

Alex Kreps  
Staff Engineer  
NPDES Discharge Permits Section  
Office of Water Quality  
(501) 682-0619  
Email: [kreps@adeq.state.ar.us](mailto:kreps@adeq.state.ar.us)

John Bailey, P.E.  
Branch Manager  
Permits Branch  
Office of Water Quality  
(501) 682-0629  
Email: [bailey@adeq.state.ar.us](mailto:bailey@adeq.state.ar.us)

### 4. PERMIT ACTIVITY.

This is a new permit.

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Permit Number: AR0052621  
AFIN: 23-01219

The permittee submitted a permit application on October 19, 2015, with additional information received December 3, 2015. It is proposed that a discharge permit be issued for a 5-year term in accordance with regulations promulgated at 40 CFR Part 122.46(a).

## DOCUMENT ABBREVIATIONS

In the document that follows, various abbreviations are used. They are as follows:

BAT - best available technology economically achievable  
BCT - best conventional pollutant control technology  
BMP - best management practice  
BOD<sub>5</sub> - five-day biochemical oxygen demand  
BPJ - best professional judgment  
BPT - best practicable control technology currently available  
CBOD<sub>5</sub> - carbonaceous biochemical oxygen demand  
CD - critical dilution  
CFR - Code of Federal Regulations  
cfs - cubic feet per second  
COD - chemical oxygen demand  
COE - United States Corp of Engineers  
CPP - continuing planning process  
CWA - Clean Water Act  
DMR - discharge monitoring report  
DO - dissolved oxygen  
ELG - effluent limitation guidelines  
EPA - United States Environmental Protection Agency  
ESA - Endangered Species Act  
FCB - fecal coliform bacteria  
gpm - gallons per minute  
MGD - million gallons per day  
MQL - minimum quantification level  
NAICS - North American Industry Classification System  
NH<sub>3</sub>-N - ammonia nitrogen  
NO<sub>3</sub> + NO<sub>2</sub>-N - nitrate + nitrite nitrogen  
NPDES - National Pollutant Discharge Elimination System  
O&G - oil and grease  
Reg. 2 - APC&EC Regulation No. 2  
Reg. 6 - APC&EC Regulation No. 6  
Reg. 8 - APC&EC Regulation No. 8  
Reg. 9 - APC&EC Regulation No. 9  
RP - reasonable potential  
SIC - standard industrial classification  
TDS - total dissolved solids  
TMDL - total maximum daily load

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TP - total phosphorus  
TRC - total residual chlorine  
TSS - total suspended solids  
UAA - use attainability analysis  
USFWS - United States Fish and Wildlife Service  
USGS – United States Geological Survey  
WET - Whole effluent toxicity  
WQMP - water quality management plan  
WQS - Water Quality standards  
WWTP - wastewater treatment plant

## Compliance and Enforcement History:

This is a new permit.

## 5. FINANCIAL ASSURANCE

The permittee shall comply with all applicable financial assurance fee requirements including the trust fund contribution fee. Pursuant to Arkansas Code Annotated § 8-4-203(b), as amended by Section 2 of Act 575 of the 90<sup>th</sup> General Assembly Regular Session, 2015, the permittee shall pay the trust fund contribution fee determined by the Department. The permittee must maintain the required financial assurance for the life of the Individual NPDES Discharge Permit by paying the required trust fund contributions in a timely manner, as required by the Act. Failure to promptly remit all financial assurance fees as required shall be grounds for the Director to initiate action to terminate this Individual NPDES Discharge Permit under the provisions in 40 CFR Parts 122.64 and 124.5(d), as adopted in APC&EC Regulation No. 6 and the provisions in APC&EC Regulation No. 8.

## 6. CONSTRUCTION PERMIT.

This permit is your authority to construct the wastewater treatment system in accordance with the permit application and plans and specifications which were received on October 19, 2015, with additional information received December 3, 2015. The issuance of the permit and conditions are based on the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-101 et seq.), Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation No. 6.202, and 40 CFR 122.26.

Proposed construction will include three (3) 20,000 gal septic tanks, one (1) 30,000 gal recirculation tank, a 6,000 square foot recirculating sand filter, an effluent pump tank, a UV disinfection unit, a flow measurement unit, a sample tap, and a discharge pipe with an overall design flow of 0.03 MGD.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 11, 12, and 13 are self-explanatory. Condition 7 is based on 40 CFR 122.26(b)(15). Conditions 8, 9, and 10 are based on the submitted application, plans, and specifications.

## **7. RECEIVING STREAM SEGMENT AND DISCHARGE LOCATION.**

The outfall is located at the following coordinates based on Google Earth Pro using WGS84:

Latitude: 35° 3' 57.63" N; Longitude: 92° 23' 4.40" W

The receiving waters named:

unnamed tributary of Little Creek, thence into Little Creek, thence into Lake Conway, thence into Palarm Creek, thence into the Arkansas River in Segment 3F of the Arkansas River Basin. The receiving stream with USGS Hydrologic Unit Code (H.U.C) of 11110203 and reach # 1527 is a Water of the State classified for or secondary contact recreation, raw water source for domestic (public and private), industrial, and agricultural water supplies, propagation of desirable species of fish and other aquatic life, and other compatible uses.

## **8. 303(d) LIST, TOTAL MAXIMUM DAILY LOADS, ENDANGERED SPECIES, AND ANTI-DEGRADATION CONSIDERATIONS.**

### **A. 303(d) List**

The receiving stream is not listed on the 2008 303(d) list. Therefore no permit action is needed.

### **B. Applicable Total Maximum Daily Load (TMDL) Reports**

The facility does not discharge to waters with a TMDL.

### **C. Endangered Species**

No comments on the application were received from the USFWS. The draft permit and Statement of Basis will be sent to the USFWS for their review.

### **D. Anti-Degradation**

The limitations and requirements set forth in this permit for discharge into waters of the State are consistent with the Anti-degradation Policy and all other applicable water quality standards found in APC&EC Regulation No. 2.

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Permit Number: AR0052621  
AFIN: 23-01219

## 9. **OUTFALL, TREATMENT PROCESS DESCRIPTION, AND FACILITY CONSTRUCTION.**

The following is a description of the facility described in the application:

A. Design Flow: 0.03 MGD

B. Type of Treatment: three (3) 20,000 gal septic tanks, one (1) 30,000 gal recirculation tank, a 6,000 square foot recirculating sand filter, an effluent pump tank, and a UV disinfection unit

C. Discharge Description: treated municipal wastewater

D. Facility Status: This facility was evaluated using the NPDES Permit Rating Worksheet (MRAT) to determine the correct permitting status. Since the facility's MRAT score of 5 is less than 80, this facility is classified as a minor industrial.

## 10. **ACTIVITY.**

Under the Standard Industrial Classification (SIC) code of 4952 or North American Industry Classification System (NAICS) code of 221320, the applicant's activities are the operation of a municipal wastewater treatment plant.

## 11. **SEWAGE SLUDGE PRACTICES.**

The facility has signed an agreement with Harrisons Septic Tank Pumping to haul off their sludge. At the time of issuance, Harrisons Septic Tank Pumping was on the Arkansas Department of Health's most recent Licensed Septic Tank Cleaners list.

## 12. **DEVELOPMENT AND BASIS FOR PERMIT CONDITIONS.**

The Arkansas Department of Environmental Quality has determined to issue a draft permit for the discharge described in the application. Permit requirements are based on federal regulations (40 CFR Parts 122, 124, and Subchapter N), the National Pretreatment Regulation in 40 CFR Part 403 as adopted in Regulation No. 6 and regulations promulgated pursuant to the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 et seq.). All of the information contained in the application, including all of the submitted effluent testing data, was reviewed to determine the need for effluent limits and other permit requirements.

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The following is an explanation of the derivation of the conditions of the draft permit and the reasons for them or, in the case of notices of intent to deny or terminate, reasons suggesting the decisions as required under 40 CFR Part 124.7.

## **Technology-Based Versus Water Quality-Based Effluent Limitations and Conditions**

Following regulations promulgated at 40 CFR Part 122.44, the draft permit limits are based on either technology-based effluent limits pursuant to 40 CFR Part 122.44 (a) or on State water quality standards and requirements pursuant to 40 CFR Part 122.44 (d), whichever are more stringent as follows:

Parameter	Water Quality-Based		Technology-Based		Draft Permit	
	Monthly Avg. mg/L	Daily Max. mg/L	Monthly Avg. mg/L	Daily Max. mg/L	Monthly Avg. mg/L	Daily Max. mg/L
CBOD <sub>5</sub>	15.0	22.5	N/A	N/A	15.0	22.5
TSS	20.0	30.0	N/A	N/A	20.0	30.0
NH <sub>3</sub> -N						
(April)	10.0	10.0	N/A	N/A	10.0	10.0
(May-Oct)	8.0	12.0	N/A	N/A	8.0	12.0
(Nov-March)	15.0	22.5	N/A	N/A	15.0	22.5
DO	3.0 (Inst. Min.)		N/A		3.0 (Inst. Min.)	
FCB (col/100mL)	1000	2000	N/A	N/A	1000	2000
pH	6.0-9.0 s.u.		N/A		6.0-9.0 s.u.	

### **A. Justification for Limitations and Conditions of the Draft Permit**

Parameter	Water Quality or Technology	Justification
CBOD <sub>5</sub> <sup>1</sup>	Water Quality	MultiSMP Model dated March 25, 2016
TSS <sup>1</sup>	Water Quality	MultiSMP Model dated March 25, 2016, Reg. 6.401(A)(2)
NH <sub>3</sub> -N <sup>2</sup>	Water Quality	Reg. 2.512 and MultiSMP Model dated March 25, 2016
DO <sup>3</sup>	Water Quality	Reg. 2.505 and MultiSMP Model dated March 25, 2016
FCB <sup>4</sup>	Water Quality	Reg. 2.507
pH <sup>5</sup>	Water Quality	Reg. 2.504



# DRAFT

## 1. CBOD<sub>5</sub>/TSS

Reg. 6.401(A)(2) states that effluent limitations less stringent than those in Reg. 6.401(A)(1) can be permitted as long as stream modeling shows that Water Quality Standards will be maintained. Accordingly, the modeling analysis dated March 25, 2016 showed that Water Quality Standards of the receiving stream during the primary and critical seasons would be met with CBOD<sub>5</sub>/TSS limitations of 15/20 mg/l. Therefore, these limitations have been included in the draft permit.

The TSS limitations were simulated in the modeling analysis by the use of Sediment Oxygen Demand (SOD) as an input in the model. The SOD values used in the model correspond to the TSS effluent limitations in accordance with the Memorandum of Agreement between EPA and ADEQ found in the CPP.

2. NH<sub>3</sub>-N limitations have been included in the draft permit to protect DO Water Quality Standards (WQS) or NH<sub>3</sub>-N toxicity-based standards, whichever are more stringent. These limitations were confirmed with the modeling analysis dated March 25, 2016.
3. Minimum DO limitations have been included in the draft permit based on the modeling analysis dated March 25, 2016.
4. FCB limitations have been included in the draft permit based on APC&EC Reg. 2.507.
5. A pH range limitation of 6.0 – 9.0 s.u. has been included in the draft permit based on APC&EC Reg. 2.504.

## B. Anti-backsliding

This is a new permit.

## C. Limits Calculations

### 1. Mass limits:

In accordance with 40 CFR 122.45(f)(1), all pollutants limited in permits shall have limitations expressed in terms of mass if feasible. 40 CFR 122.45(f)(2) allows for pollutants which are limited in terms of mass to also be limited in terms of other units of measurement.

The calculation of the loadings (lbs per day) uses a design flow of 0.03 MGD and the following equation:

$$\text{lbs/day} = \text{Concentration (mg/L)} \times \text{Flow (MGD)} \times 8.34$$

## 2. Daily Maximum Limits:

The daily maximum limits for NH<sub>3</sub>-N (May-Oct and Nov-March), CBOD<sub>5</sub>, and TSS are based on Section 5.4.2 of the Technical Support Document for Water Quality-Based Toxics Control.

$$\text{Daily maximum limits} = \text{Monthly average limits} \times 1.5$$

The daily maximum NH<sub>3</sub>-N limit for April is based on the requirements of Reg. 2.512.

The daily maximum limit for FCB is based on Reg. 2.507.

## 3. Ammonia-Nitrogen (NH<sub>3</sub>-N):

The water quality effluent limitations for Ammonia are based either on DO-based effluent limits or on toxicity-based standards, whichever are more stringent. The toxicity-based effluent limitations are based on Reg. 2.512 and the CPP. The evaluation can be viewed at the following web link:

[https://www.adeg.state.ar.us/downloads/WebDatabases/PermitsOnline/NPDES/PermitInformation/AR0052621\\_Modeling%20Report\\_20151216.pdf](https://www.adeg.state.ar.us/downloads/WebDatabases/PermitsOnline/NPDES/PermitInformation/AR0052621_Modeling%20Report_20151216.pdf)

## D. 208 Plan (Water Quality Management Plan)

The 208 Plan, developed by the ADEQ under provisions of Section 208 of the federal Clean Water Act, is a comprehensive program to work toward achieving federal water goals in Arkansas. The initial 208 Plan, adopted in 1979, provides for annual updates, but can be revised more often if necessary. The 208 Plan has been revised to add the facility and the following limits to the existing water quality limitations:

May-October:	CBOD <sub>5</sub> /TSS/NH <sub>3</sub> -N/DO = 15.0/20.0/8.0/3.0 mg/L
November-March:	CBOD <sub>5</sub> /TSS/NH <sub>3</sub> -N/DO = 15.0/20.0/15.0/3.0 mg/L
April	CBOD <sub>5</sub> /TSS/NH <sub>3</sub> -N/DO = 15.0/20.0/10.0/3.0 mg/L
Design flow (Q):	0.03 MGD
Background Flow of the receiving stream (7Q10):	0 cfs

# DRAFT

## 13. SAMPLE TYPE AND FREQUENCY.

Regulations require permits to establish monitoring requirements to yield data representative of the monitored activity [40 CFR Part 122.48(b)] and to ensure compliance with permit limitations [40 CFR Part 122.44(i)(1)].

Requirements for sample type and sampling frequency are based on recommended frequencies for self-monitoring of discharges within the flow of 0.0 to 0.05 MGD from the ADPCE memo dated July 16, 1993.

Parameter	Draft Permit	
	Frequency of Sample	Sample Type
Flow	two/week	totalizing meter
CBOD <sub>5</sub>	once/quarter	grab
TSS	once/quarter	grab
NH <sub>3</sub> -N		
(April)	once/month	grab
(May-Oct)	once/quarter	grab
(Nov-Apr)	once/5 months	grab
DO	once/quarter	grab
FCB	once/quarter	grab
pH	once/month	grab

## 14. PERMIT COMPLIANCE SCHEDULE.

A Schedule of Compliance has not been included in this permit. Compliance with all permit requirements is required on the effective date of the permit.

## 15. MONITORING AND REPORTING.

The applicant is at all times required to monitor the discharge on a regular basis and report the results monthly. The monitoring results will be available to the public.

## 16. SOURCES.

The following sources were used to draft the permit:

- A. Application No. AR0052621 received October 19, 2015, with additional information received December 3, 2015.
- B. Arkansas Water Quality Management Plan (WQMP).

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Permit Number: AR0052621  
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- C. APC&EC Regulation No. 2.
- D. APC&EC Regulation No. 3.
- E. APC&EC Regulation No. 6 which incorporates by reference certain federal regulations included in Title 40 of the Code of Federal Regulations at Reg. 6.104.
- F. 40 CFR Parts 122 and 125.
- G. Discharge permit file AR0052621.
- H. "2008 Integrated Water Quality Monitoring and Assessment Report", ADEQ.
- I. "2008 List of Impaired Waterbodies (303(d) List)", ADEQ, February 2008.
- J. USGS StreamStats Version 3.0: AR.
- K. Continuing Planning Process (CPP).
- L. Technical Support Document For Water Quality-based Toxic Control.
- M. ADPCE Memo dated July 16, 1993 regarding monitoring requirements.
- N. [MultiSMP Model dated March 25, 2016.](#)

## 17. PUBLIC NOTICE.

The public notice describes the procedures for the formulation of final determinations and shall provide for a public comment period of 30 days. During this period, any interested persons may submit written comments on the permit and may request a public hearing to clarify issues involved in the permitting decision. A request for a public hearing shall be in writing and shall state the nature of the issue(s) proposed to be raised in the hearing.

A copy of the permit and public notice will be sent via email to the Corps of Engineers, the Regional Director of the U.S. Fish and Wildlife Service, the Department of Arkansas Heritage, the EPA, and the Arkansas Department of Health.

## 18. POINT OF CONTACT.

For additional information, contact:

Alex Kreps  
Permits Branch, Office of Water Quality  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317  
Telephone: (501) 682-0619

# DRAFT

Permit No. AR0052621C  
AFIN: 23-01219  
Page 1

## STATE CONSTRUCTION PERMIT Permit Number: AR0052621C

TO:

Alan McEntire, President  
Woodsland Edge Subdivision  
P.O. Box 524  
Vilonia, AR 72173

Consulting Engineer:

David Hopkins, P.E.  
Landmark Engineering  
13311 Lawson Road, Suite C  
Little Rock, AR 72210

This permit is your authority to construct the wastewater treatment system in accordance with the permit application and plans and specifications which were received on October 19, 2015, with additional information received December 3, 2015, under authority of the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-201 et seq.) and the following terms and conditions.

1. The treatment system shall be constructed in accordance with the final plans and specifications as approved by the Arkansas Department of Environmental Quality (ADEQ). In case any statement or representation in the aforementioned documents is found to be incorrect, this approval may be revoked.
2. There should be no deviation from the approved plans and specifications unless the revisions have been submitted for review and written approval is received.
3. Within thirty (30) days of completion of construction, a Professional Engineer (PE) registered in Arkansas shall submit written certification to the Department (Permits Branch of the Office of Water Quality) that the facility has been constructed or modified in accordance with the approved plans and specifications.
4. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. Issuance of a State Construction Permit does not guarantee satisfactory operation of the treatment system. The permittee shall ensure that water quality standards are not violated. Any modifications to the treatment facility necessary to meet water quality standards are the responsibility of the permittee and would require a modification to this State Construction Permit.
5. A State Construction Permit for a new wastewater treatment does not constitute an NPDES permit. Issuance of a State Construction Permit for construction of a treatment system in no way guarantees or assumes that an application for an NPDES permit to operate the system will be approved or an NPDES permit will be issued.
6. A complete "Operations and Maintenance (O&M) Manual" of the wastewater treatment system shall be developed by the engineering consultant for the operator's use before the plant is in operation.
7. If a construction site will disturb equal to or greater than one (1) acre and less than five (5) acres, the permittee shall comply with the requirements in Reg. 6.203 for Stormwater discharge associated with a small construction site, as defined in APC&EC Regulation No. 6. If the construction site will disturb five (5) acres or more, the permittee shall comply with the terms of the Stormwater

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Permit No. AR0052621C

AFIN: 23-01219

Page 2

Construction General Permit Number ARR150000 prior to the start of construction. BMPs must be implemented regardless of the size.

8. This facility is located as follows: Latitude: 35° 04' 23.16" Longitude: 92° 22' 56.33"; I-40 to Conway, East on Hwy 64 2.1 miles, South on Skunk Hollow Road 1.1 miles, thence on the East side of Skunk Hollow Road in Faulkner County, Arkansas.
9. The receiving waters named: unnamed tributary of Little Creek, thence into Little Creek, thence into Lake Conway, thence into Palarm Creek, thence into the Arkansas River in Segment 3F of the Arkansas River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 35° 3' 57.63"; Longitude: 92° 23' 4.40".
10. The construction will include three (3) 20,000 gal septic tanks, one (1) 30,000 gal recirculation tank, a 6,000 square foot recirculating sand filter, an effluent pump tank, a UV disinfection unit, a flow measurement unit, a sample tap, and a discharge pipe with an overall design flow of 0.03 MGD.
11. Failure to begin construction within one (1) year of the effective date may result in termination of this permit if a request for an extension is not submitted to the Department in a timely manner.
12. The permittee must submit notification of the start of construction within fifteen (15) days after construction has begun.
13. The permitted activities may not commence until approval from the Arkansas Department of Health has been received.

Effective Date:

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Caleb J. Osborne  
Associate Director, Office of Water Quality  
Arkansas Department of Environmental Quality

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Issue Date