

Arkansas Department of Environmental Quality
NPDES PERMIT APPLICATION
FORM 1

INSTRUCTIONS:

1. This form should be **typed or printed in ink**. If insufficient space is available to address any item, please continue on an attached sheet of paper.
2. Please complete the following section(s). If a section is not required, please check the Not Applicable (N/A) box at the top of the section.

Sections	A	B	C	D	E	F	G	H	I
POTW	X	X	X	X					X
Industrial User	X	X	X	X	X	X	X		X
Construction Permit Only	X	X	*	X	X			X	X
Modification	X	X	X	X		*	*	X	X
All Other Applicants	X	X	X	X	X				X

* As necessary

3. If you need help on SIC or NAICS go to www.osha.gov/oshstats/sicser.html .
4. If you have any questions about this form you may call NPDES Section at 501-682-0623 or go to www.adeq.state.ar.us/water. You may also contact :

Department
Arkansas Department of Health

Information in Regard to
Water Supply

Telephone #
501-661-2623

5. The following EPA Forms in addition to Form 1 is required for processing your application:

Form 2A - Municipal Dischargers

Form 2B - Concentrated Animal Feeding Operations

Form 2C - Existing Manufacturing, Commercial, Mining, and Silvicultural Operations

Form 2D - New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

Form 2E - Facilities Which Do Not Discharge Process Wastewater (i.e. Domestic, Non contact cooling water)

Form 2F - Application for Permit to Discharge Storm Water Discharges Associated With Industrial Activity

6. Where to Submit

Return the completed form by mail to:

Arkansas Department of Environmental Quality
Permits Branch, Office of Water Quality
5301 Northshore Drive
North Little Rock, AR 72118

Or by email to:

Water.Permit.Application@adeq.state.ar.us

NPDES PERMIT APPLICATION
FORM 1

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF WATER QUALITY
5301 Northshore Drive
North Little Rock, AR 72118-5317
www.adeq.state.ar.us/water

PURPOSE OF THIS APPLICATION

- INITIAL PERMIT APPLICATION FOR NEW FACILITY
- INITIAL PERMIT APPLICATION FOR EXISTING FACILITY
- MODIFICATION OF EXISTING PERMIT
- REISSUANCE (RENEWAL) OF EXISTING PERMIT
- MODIFICATION AND CONSTRUCTION OF EXISTING PERMIT
- CONSTRUCTION PERMIT

SECTION A- GENERAL INFORMATION

1. Legal Applicant Name (who has ultimate decision making responsibility over the operation of a facility or activity):

Jackie E Craig II

Note: The legal name of the applicant must be identical to the name listed with the Arkansas Secretary of State.

2. Operator Type: Private State Federal Partnership Corporation Other

State of Incorporation: Arkansas

3. Facility Name: City of Mountain View Wastewater Treatment Plant

4. Is the legal applicant identified in number 1 above, the owner of the facility? Yes No

5. NPDES Permit Number (If Applicable): AR0020117

6. NPDES General Permit Number (If Applicable): ARG

7. NPDES General Storm Water Permit Number (If Applicable): _____

8. Permit Numbers and/or names of any permits issued by ADEQ or EPA for an activity located in Arkansas that is presently held by the applicant or its parent or subsidiary corporation which are not listed above:

<u>Permit Name</u>	<u>Permit Number</u>	<u>Held by</u>

9. Give driving directions to the wastewater treatment plant with respect to known landmarks:

Go west from Mountain View on Hwy 66 one and half miles to Westwood Ave. turn north on Westwood Ave. go a quarter of a Mile to Plant location at 340 Westwood Ave.

10. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)

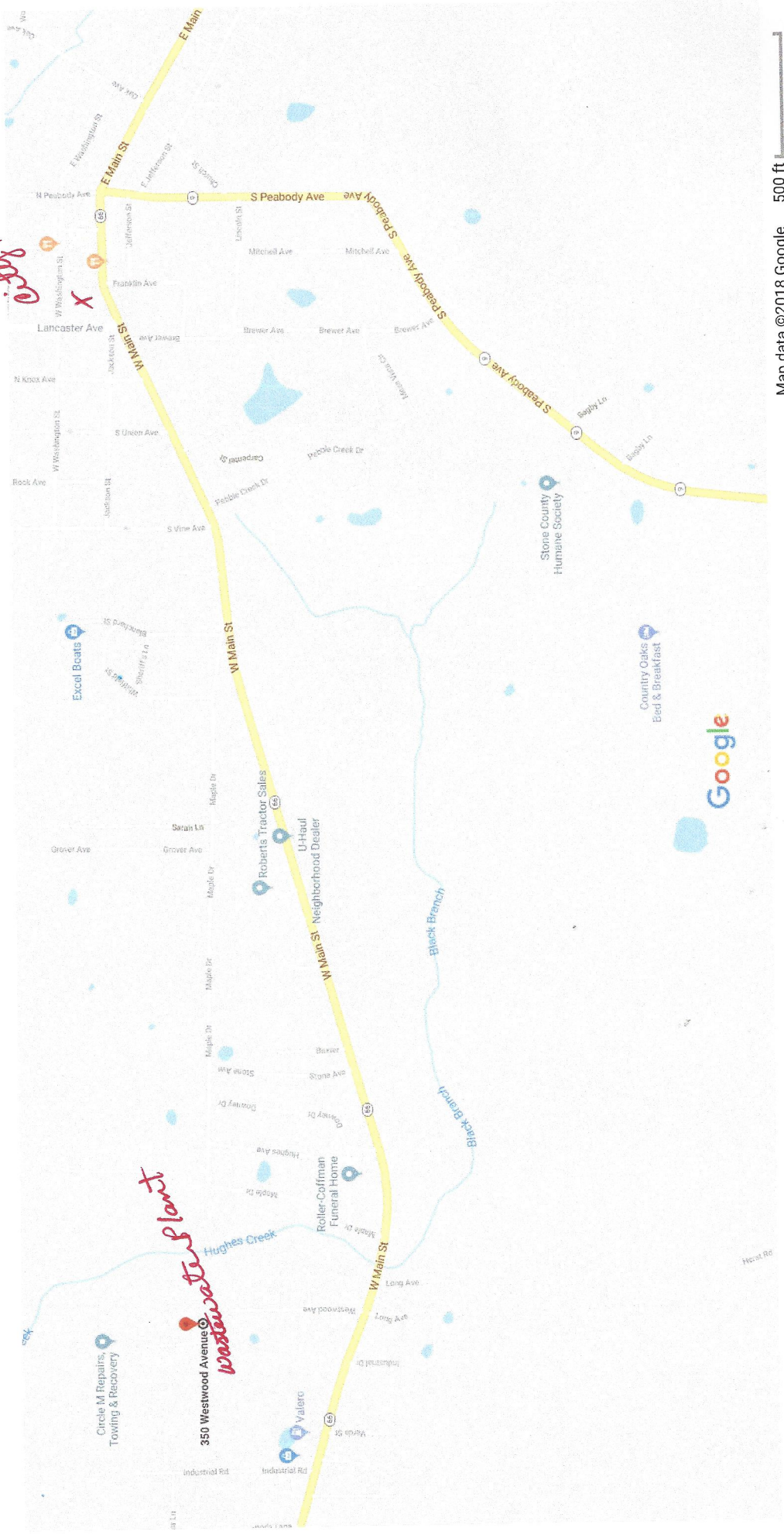
Street: 340 Westwood Ave

City: Mountain View County: Stone State: AR Zip: 72560

City Hall

Wastewater Treatment Plant

Google Maps



11. Facility Mailing Address for permit, DMR, and invoice (Street or Post Office Box):

Name: City of Mountain View Wastewater Plant Title: _____

Street: 311 West Main St P.O. Box PO Box 360

City: Mountain View State: AR Zip: 72560

E-mail address*: waterdepartment@cityofmntview.com Fax: 870-269-9158

* Is emailing all documents (permit, letters, DMRs, invoices, etc.) acceptable to the applicant? Yes No

12. Neighboring States Within 20 Miles of the permitted facility (Check all that apply):

Oklahoma Missouri Tennessee Louisiana Texas Mississippi

13. Indicate applicable Standard Industrial Classification (SIC) Codes and NAICS codes for primary processes

4952 SIC Facility Activity under this SIC or NAICS:
221320 NAICS Operation of a wastewater treatment plant

14. Design Flow: 0.73 MGD Highest Monthly Average of the last two years Flow: 0.738 MGD

15. Is the outfall equipped with a diffuser? Yes No

16. Responsible Official (as described on the last page of this application):

Name: Roger Gardner Title: Mayor

Address: PO Box 360 Phone Number: 870-269-3804

E-mail Address: mayor@cityofmntview.com

City: Mountain View State: AR Zip: 72560

17. Cognizant Official (Duly Authorized Representative of responsible official as described on the last page of this application):

Name: Jackie E Craig II Title: Wastewater Plant Operator

Address: PO Box 360 Phone Number: 870-213-7222

E-mail Address: waterdepartment@cityofmntview.com

City: Mountain View State: AR Zip: 72560

18. Name, address and telephone number of active consulting engineer firm (If none, so state):

Contact Name: Byron Hicks

Company Name: McClelland Consulting Engineers

Address: PO Box 34087 Phone Number: 870-371-0272

E-mail Address: bhicks@mce.us.com

City: Little Rock State: AR Zip: 72203

19. Wastewater Operator Information

Wastewater Operator Name: Jackie E Craig, II License number: 007092

Class of municipal wastewater operator: I II III IV

Class of industrial wastewater operator: Basic Advanced

SECTION B: FACILITY AND OUTFALL INFORMATION

1. Facility Location (All information must be based on the **front door (gate)** location of the facility):

Lat: 35 ° 86 ' 70.14 " Long: 92 ° 14 ' 72.31 " County: Stone Nearest Mountain Town: n View

2. **Outfall** Location (The location of the end of the pipe discharge point.):

Outfall No.001:

Latitude: 35 ° 86 ' 70.94 " Longitude: 92 ° 14 ' 63.93 "

Where is the collection point? After UV light and post aeration is where automatic sampling point is as shown on sheet # 12

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):
Hughes Creek to Tubbs Creek then to Lick Fork Creek, then to South Sylamore Creek, then to the White River

Outfall No. _____:

Latitude: _____ ° _____ ' _____ " Longitude: _____ ° _____ ' _____ "

Where is the collection point? _____

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):

3. **Monitoring** Location (If the monitoring is conducted at a location different than the above **Outfall** location):

Outfall No. _____:

Lat: _____ ° _____ ' _____ " Long: _____ ° _____ ' _____ "

Outfall No. _____:

Lat: _____ ° _____ ' _____ " Long: _____ ° _____ ' _____ "

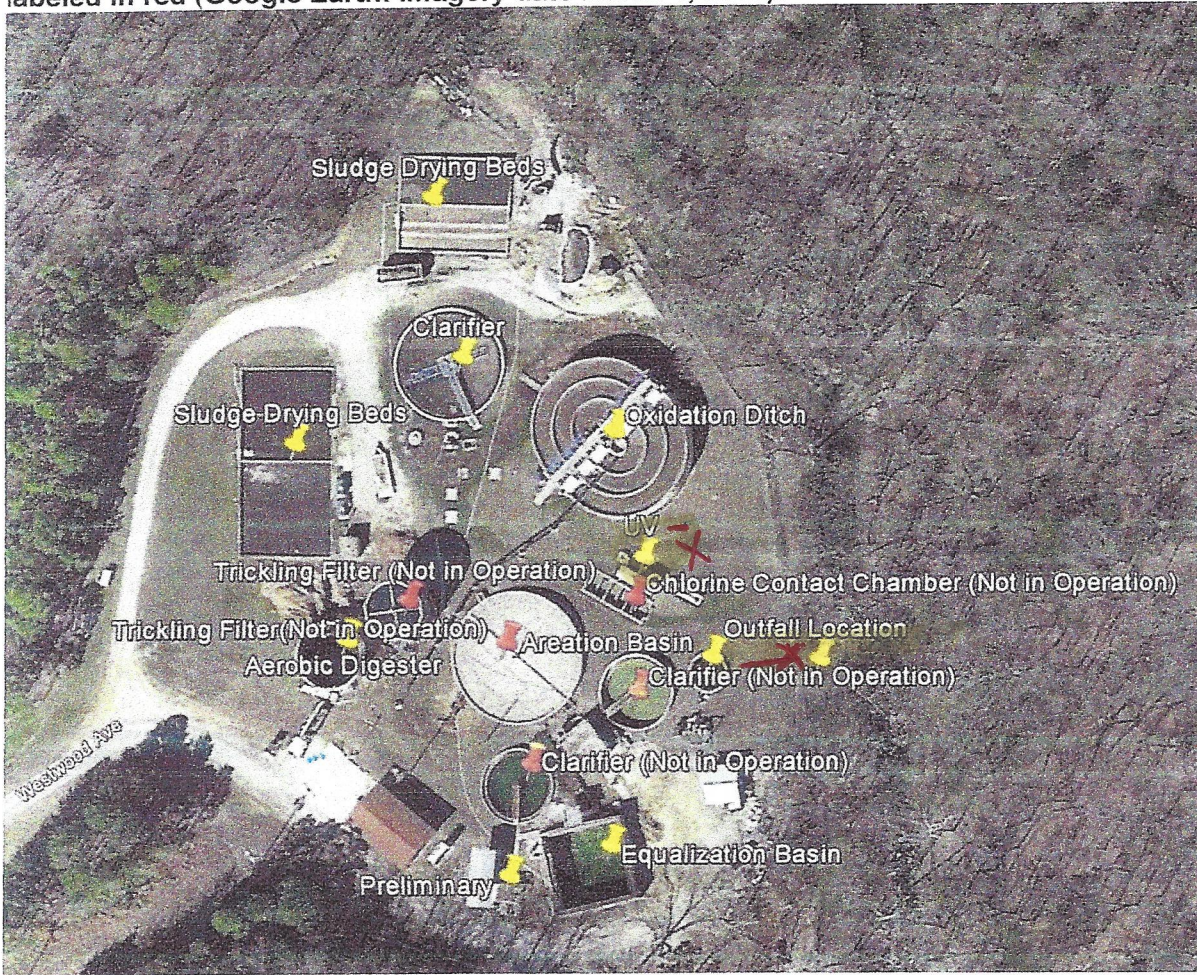
Outfall No. _____:

Lat: _____ ° _____ ' _____ " Long: _____ ° _____ ' _____ "

4. Type of Treatment system (Include all components of the treatment system and attach the process flow diagram):

Extended aeration system-components: Initial screening, extended aeration in oxidation ditch, final clarifier, then disinfection by UV light where automatic sampling and post aeration then to Hughes Creek.

Figure 1. General overview of the site with major components labeled and components not in operation labeled in red (Google Earth: imagery date March 4, 2016).



#12

Section B. #2
Collection Point



From WWTP to Hughes Creek.



Lick Fork Dr, Mountain View, AR 72560 to 407-507 Ruddle Rd, Mountain View, AR 72560 Drive 8.2 miles, 17 min



Imagery ©2018 Google, Map data ©2018 Google 200 ft

Hughes Creek to Tubbs Creek



Google

Imagery ©2018 Google, Map data ©2018 Google 100 ft

Tubbs Creek to Lick Fork



Imagery ©2018 Google, Map data ©2018 Google 100 ft

Lick Fork to South Sylamore Creek



Where
N Sylamore + South Sylamore ^{intersect} on to White River

Google Maps



*North Sylamore
&
South Sylamore flow into White River*

Google Maps



White River to City Intake Structure
flows south

5. Do you have, or plan to have, **AUTOMATIC** sampling equipment or **CONTINUOUS** wastewater flow metering equipment at this facility?

Current:	Flow Metering	<input checked="" type="checkbox"/>	Yes	Type: <u>SIEMENS OCM III</u>	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
	Sampling Equipment	<input checked="" type="checkbox"/>	Yes	Type: <u>composite/ISCO 3710</u>	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Planned:	Flow Metering	<input type="checkbox"/>	Yes	Type: _____	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
	Sampling Equipment	<input type="checkbox"/>	Yes	Type: _____	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>

If **YES**, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

Flow monitoring is at UV basin

Automatic sampling is after flow monitoring-see attached sheet

If **NO**, please describe the method and location of flow measurement below:

6. Is the proposed or existing facility located above the 100-year flood level? Yes No

NOTE: FEMA Map must be included with this application. Maps can be ordered at www.fema.gov.

If "No", what measures are (or will be) used to protect the facility? _____

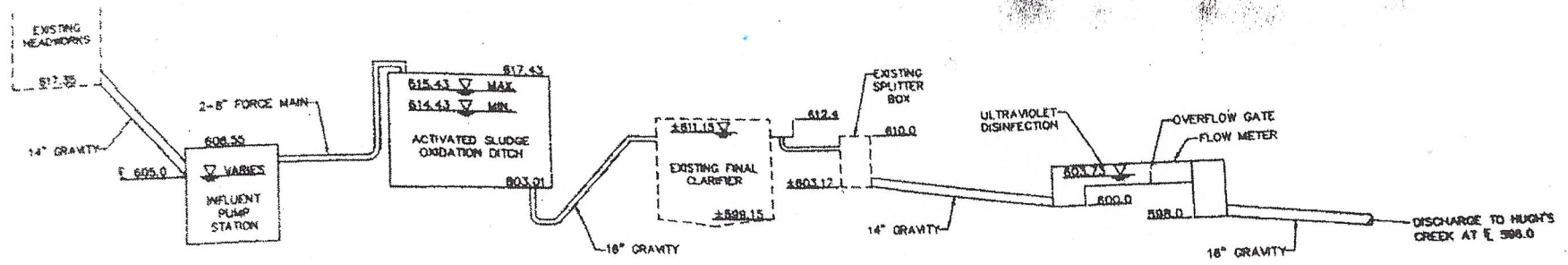
7. Population for Municipal and Domestic Sewer Systems: 3843

8. Backup Power Generation for Treatment Plants

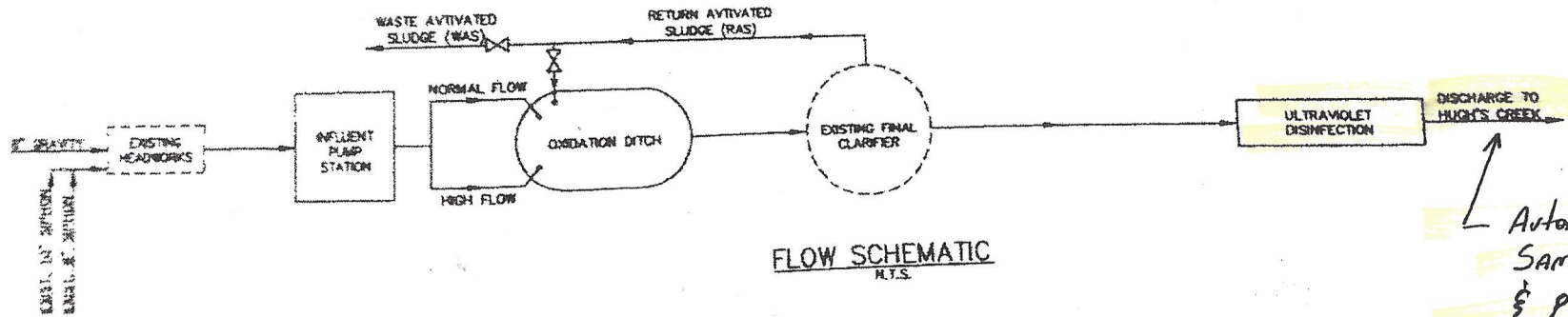
Are there any permanent backup generators? Yes No

If Yes, How many? 1 Total Horsepower (hp)? 490

If No, Please explain? Also one standby 45K



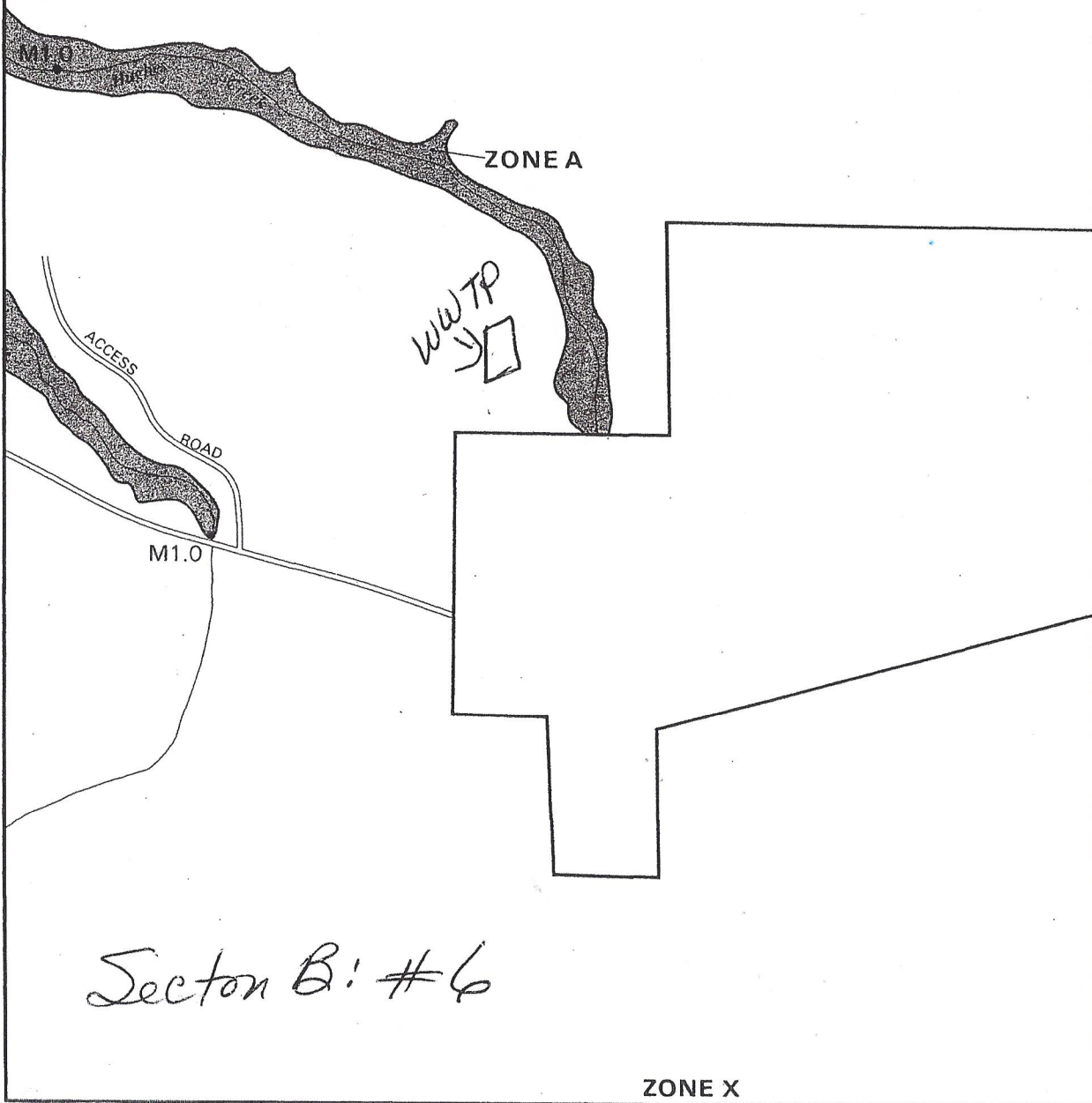
HYDRAULIC PROFILE
N.T.S.



FLOW SCHEMATIC
N.T.S.

Automatic
Sampling
& post
aeration

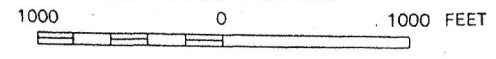
Section B: #4 & #5



Section B: #6



APPROXIMATE SCALE

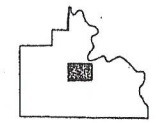


NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

STONE COUNTY,
ARKANSAS
UNINCORPORATED AREAS

PANEL 70 OF 140
(SEE MAP INDEX FOR PANELS NOT PRINTED)



PANEL LOCATION

COMMUNITY-PANEL NUMBER
050465 0070 A

EFFECTIVE DATE:
JULY 16, 1987



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



ZONE DESIGNATIONS*

Base Flood Elevation Line v

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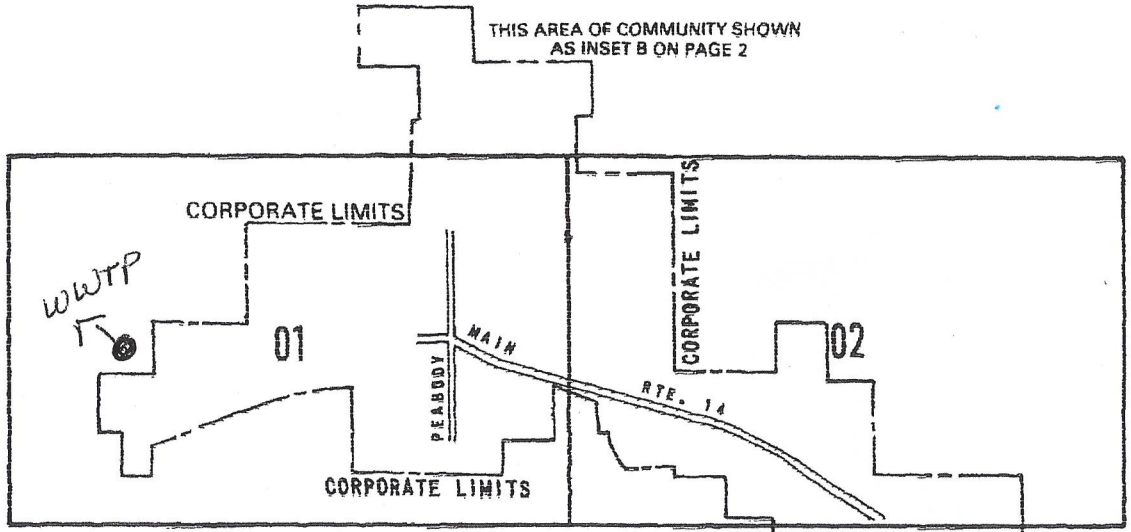
01 - 02

s elevations

d elevations

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

THIS AREA OF COMMUNITY SHOWN AS INSET B ON PAGE 2



CORPORATE LIMITS

CORPORATE LIMITS

THIS AREA OF COMMUNITY SHOWN AS INSET B ON PAGE 2

#6

SECTION C – WASTE STORAGE AND DISPOSAL INFORMATION

1. Sludge Disposal Method (Check as many as are applicable):

Landfill

Landfill Site Name CHEROKEE SANITARY LANDFILL

ADEQ Solid Waste Permit No. 299-S1

Land Application: ADEQ State Permit No. _____

Septic tank Arkansas Department of Health Permit No.: _____

Distribution and Marketing: Facility receiving sludge:

Name: _____ Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

Rail: _____ Pipe: _____ Other: _____

Subsurface Disposal (Lagooning):

Location of lagoon _____ How old is the lagoon? _____

Surface area of lagoon: _____ Acre Depth: _____ ft Does lagoon have a liner? Yes No

Incineration: Location of incinerator _____

Remains in Treatment Lagoon(s):

How old is the lagoon(s)? _____ Has sludge depth been measured? Yes No

If Yes, Date measured? _____ Sludge Depth? _____ ft If No, When will it be measured? _____

Has sludge ever been removed? Yes No If Yes, When was it removed? _____

Other (Provide complete description): _____

Google Maps



Imagery ©2018 Google, Map data ©2018 Google 200 ft

IESI At Landfill Corp.
 Cherokee Landfill
 300 Landfill Rd off Hwy 289N
 Cherokee Village AR 72529

Section C # 1

SECTION D - WATER SUPPLY

Water Sources (check as many as are applicable):

Private Well - Distance from Discharge point: Within 5 miles Within 50 miles

Municipal Water Utility (Specify City): City of Mountain View Water

Distance from Discharge point: Within 5 miles Within 50 miles

Surface Water- Name of Surface Water Source: White River

Distance from Discharge point: Within 5 miles Within 50 miles

Lat: 35 ° 55 ‘ 30.24 “ Long: 92 ° 05 ‘ 30.48 “

Other (Specify): _____

Distance from Discharge point: Within 5 miles Within 50 miles

1/19/2018

Google Maps

MV Intake
Structure
on
White
River

Google Maps

Section D.



Warren
Hollow

Google

SECTION E: FINANCIAL ASSURANCE AND DISCLOSURE STATEMENT

1. Arkansas Code Annotated § 8-4-203 provides for financial assurance requirements for permitting non-municipal domestic sewage treatment systems. Arkansas Code 8-4-203 (b)(1)(A)(i) – “The department shall not issue, modify, or renew a National Pollutant Discharge Elimination System permit or state permit for a non-municipal domestic sewage treatment works without the permit applicant first demonstrating to the department its financial ability to cover the estimated costs of operating and maintaining the non-municipal domestic sewage treatment works for a minimum period of five (5) years.”

The applicant must provide a detailed estimate of the operation and maintenance (O&M) costs for the facility for a five year period. Once the O&M estimate is approved, the applicant must provide **financial assurance** in order to show that the facility is able to cover the costs of operating and maintaining the treatment system for the next five years.

The minimal financial assurance may be demonstrated to the department by using the following as outlined in Arkansas Code 8-4-203(b)(2):

- A. Obtaining insurance that specifically covers operation and maintenance costs
 - B. Obtaining a letter of credit;
 - C. Obtaining a surety/performance bond;
 - D. Obtaining a trust fund or an escrow account; or
 - E. Using a combination of insurance, letter of credit, surety bond, trust fund, or escrow account.
2. Disclosure Statement:

Arkansas Code Annotated Section 8-1-106 requires that all applicants for any type of permit or transfer of any permit, license, certification or operational authority issued by the Arkansas Department of Environmental Quality (ADEQ) file a Disclosure Statement with their application. The filing of a Disclosure Statement is mandatory. No application can be considered administratively complete without a completed Disclosure Statement. The form may be obtained from the ADEQ web site at:

https://www.adeg.state.ar.us/ADEQ_Disclosure_Statement.pdf

SECTION F – INDUSTRIAL ACTIVITY

1. Does an effluent guideline limitation promulgated by EPA ([Link to a Listing of the 40 CFR Effluent Limit Guidelines](#)) under Section 304 of the Clean Water Act (CWA) apply to your facility?

YES (Answer questions 2 and 3) NO

2. What Part of 40 CFR? _____

3. What Subpart(s)? _____

4. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

5. Production: (projected for new facilities)

Product(s) Manufactured (Brand name)	Last 12 Months		Highest Production Year of Last 5 Years	
	lbs/day*		lbs/day*	
	Highest Month	Days of Operation	Monthly Average	Days of Operation

* These units could be off-lbs, lbs quenched, lbs cleaned/etched/rinsed, lbs poured, lbs extruded, etc.

SECTION H -TECHNICAL INFORMATION

Technical information to support this application shall be furnished in appropriate detail to understand the project. Information in this Part is required for obtaining a **construction permit** or for **modification** of the treatment system.

1. Describe the treatment system. Include the types of control equipment to be installed along with their methods of operation and control efficiency.

2. One set of construction plans and specifications, approved (Signed and stamped) by a **Professional Engineer (PE)** registered in **Arkansas**, must be submitted as follows:
 - a. The plans must show flow rates in addition to pertinent dimensions so that detention times, overflow rates, and loadings per acre, etc. can be calculated.
 - b. Specifications and complete design calculations.
 - c. All treated wastewater discharges should have a flow measuring device such as a weir or Parshall flume installed. Where there is a significant difference between the flow rates of the raw and treated wastewater, a flow measuring device should be provided both before and after treatment.
3. If this application includes a construction permit disturbing five or more acres, a storm water construction permit must be obtained by submitting a notice of intent (NOI) to ADEQ.

SECTION I: SIGNATORY REQUIREMENTS

Cognizant Official (Duly Authorized Representative)

40 CFR 122.22(b) states that all reports required by the permit, or other information requested by the Director, shall be signed by the applicant (or person authorized by the applicant) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) the authorization is made in writing by the applicant (or person authorized by the applicant);
- (2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity responsibility, or an individual or position having overall responsibility for environmental matters for the company.

The applicant hereby designates the following person as a Cognizant Official, or duly authorized representative, for signing reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Signature of Cognizant Official: Jackie E Craig II Date: 1-23-18
Printed name of Cognizant Official: Jackie E Craig II
Official title of Cognizant Official: Wastewater Plant Operator Telephone Number: 870-213-7222

Responsible Official

The information contained in this form must be certified by a **responsible official** as defined in the "signatory requirements for permit applications" (40 CFR 122.22).

Responsible official is defined as follows:

- Corporation**, a principal officer of at least the level of vice president
- Partnership**, a general partner
- Sole proprietorship**: the proprietor
- Municipal, state, federal, or other public facility**: principal executive officer, or ranking elected official.

RG (Initial) "I certify that the cognizant official designated above is qualified to act as a duly authorized representative under the provisions of 40 CFR 122.22(b)." NOTE: If no duly authorized representative is designated in this section, the Department considers the applicant to be the responsible official for the facility and only reports, etc., signed by the applicant will be accepted by the Department.

RG (Initial) "I certify that, if this facility is a corporation, it is registered with the Secretary of State in Arkansas. Please provide the full name of the corporation if different than that listed in Section A above."

"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. I further certify under penalty of law that all analyses reported as less than detectable in this application or attachments thereto were performed using the EPA approved test method having the lowest detection limit for the substance tested."

Signature of Responsible Official: Roger Gardner Date: 1-23-18
Printed name of Responsible Official: Roger Gardner
Official title of Responsible Official: Mayor Telephone Number: 870-269-3804

FORM
2A
NPDES**NPDES FORM 2A APPLICATION OVERVIEW****APPLICATION OVERVIEW**

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. **Basic Application Information for all Applicants.** All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. **Additional Application Information for Applicants with a Design Flow \geq 0.1 mgd.** All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. **Certification.** All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. **Expanded Effluent Testing Data.** A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 1. Has a design flow rate greater than or equal to 1 mgd,
 2. Is required to have a pretreatment program (or has one in place), or
 3. Is otherwise required by the permitting authority to provide the information.
- E. **Toxicity Testing Data.** A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 1. Has a design flow rate greater than or equal to 1 mgd,
 2. Is required to have a pretreatment program (or has one in place), or
 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. **Industrial User Discharges and RCRA/CERCLA Wastes.** A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. **Combined Sewer Systems.** A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

FACILITY NAME AND PERMIT NUMBER:

City of Mountain View Wastewater AR0020117

Form Approved 1/14/99
OMB Number 2040-0086

BASIC APPLICATION INFORMATION

PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.

A.1. Facility Information.

Facility name City of Mountain View Wastewater

Mailing Address PO Box 360 Mountain View AR 72560

Contact person Jackie E Craig II

Title Wastewater Plant Operator

Telephone number 870-213-7222

Facility Address 340 Westwood Ave Mountain View AR 72560
(not P.O. Box)

A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name _____

Mailing Address _____

Contact person _____

Title _____

Telephone number _____

Is the applicant the owner or operator (or both) of the treatment works?

_____ owner operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

facility _____ applicant

A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES _____ PSD _____

UIC _____ Other _____

RCRA _____ Other _____

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	Type of Collection System	Ownership
<u>City of Mountain View</u>	<u>3843</u>	<u>separate</u>	<u>Municipal</u>
_____	_____	_____	_____
_____	_____	_____	_____
Total population served <u>3843</u>			

FACILITY NAME AND PERMIT NUMBER:

City of Mountain View Wastewater AR0020117

A.5. Indian Country.

a. Is the treatment works located in Indian Country?

Yes No

b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

Yes No

A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

a. Design flow rate 0.73 mgd

	<u>Two Years Ago</u>	<u>Last Year</u>	<u>This Year</u>
b. Annual average daily flow rate	<u>0.405</u>	<u>0.37</u>	<u>0.39</u> mgd
c. Maximum daily flow rate	<u>1.8</u>	<u>0.91</u>	<u>1.3</u> mgd

A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

Separate sanitary sewer 100 %
 Combined storm and sanitary sewer _____ %

A.8. Discharges and Other Disposal Methods.

a. Does the treatment works discharge effluent to waters of the U.S.? Yes No

If yes, list how many of each of the following types of discharge points the treatment works uses:

- i. Discharges of treated effluent 1
- ii. Discharges of untreated or partially treated effluent _____
- iii. Combined sewer overflow points _____
- iv. Constructed emergency overflows (prior to the headworks) _____
- v. Other _____

b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.? Yes No

If yes, provide the following for each surface impoundment:

Location: _____

Annual average daily volume discharged to surface impoundment(s) _____ mgd

Is discharge continuous or intermittent?

c. Does the treatment works land-apply treated wastewater? Yes No

If yes, provide the following for each land application site:

Location: _____

Number of acres: _____

Annual average daily volume applied to site: _____ Mgd

Is land application continuous or intermittent?

d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works? Yes No

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

City of Mountain View Wastewater AR0020117

If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).

If transport is by a party other than the applicant, provide:

Transporter name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

For each treatment works that receives this discharge, provide the following:

Name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

If known, provide the NPDES permit number of the treatment works that receives this discharge. _____

Provide the average daily flow rate from the treatment works into the receiving facility. _____ mgd

- e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)? _____ Yes No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method: _____

Is disposal through this method _____ continuous or _____ intermittent?

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WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

A.9. Description of Outfall.

a. Outfall number 001

b. Location City of Mountain View 72560
(City or town, if applicable) (Zip Code)
Stone Arkansas
(County) (State)
35 86' 70.94" 92 14' 63.93"
(Latitude) (Longitude)

c. Distance from shore (if applicable) _____ ft.

d. Depth below surface (if applicable) _____ ft.

e. Average daily flow rate _____ 0.405 mgd

f. Does this outfall have either an intermittent or a periodic discharge?
 _____ Yes No (go to A.9.g.)

If yes, provide the following information:

Number of times per year discharge occurs: _____

Average duration of each discharge: _____

Average flow per discharge: _____ mgd

Months in which discharge occurs: _____

g. Is outfall equipped with a diffuser? _____ Yes _____ No

A.10. Description of Receiving Waters.

a. Name of receiving water Hughes Creel, Tubbs Creek to Lick Fork, South Sylamore to White River

b. Name of watershed (if known) _____

United States Soil Conservation Service 14-digit watershed code (if known): _____

c. Name of State Management/River Basin (if known): _____

United States Geological Survey 8-digit hydrologic cataloging unit code (if known): _____

d. Critical low flow of receiving stream (if applicable):
 acute _____ cfs chronic _____ cfs

e. Total hardness of receiving stream at critical low flow (if applicable): _____ mg/l of CaCO₃

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BASIC APPLICATION INFORMATION

PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).

All applicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).

B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.

_____ 1500 gpd

Briefly explain any steps underway or planned to minimize inflow and infiltration.

will continue to do smoke testing in any areas that have not been done yet, do more camera work.

B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

- a. The area surrounding the treatment plant, including all unit processes.
- b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- c. Each well where wastewater from the treatment plant is injected underground.
- d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- f. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g. chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram.

B.4. Operation/Maintenance Performed by Contractor(s).

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? ___ Yes No

If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: _____

Mailing Address: _____

Telephone Number: _____

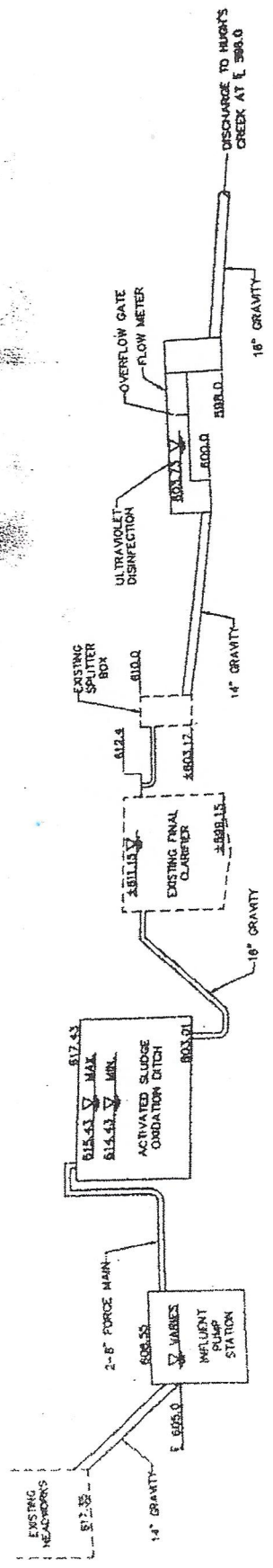
Responsibilities of Contractor: _____

B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

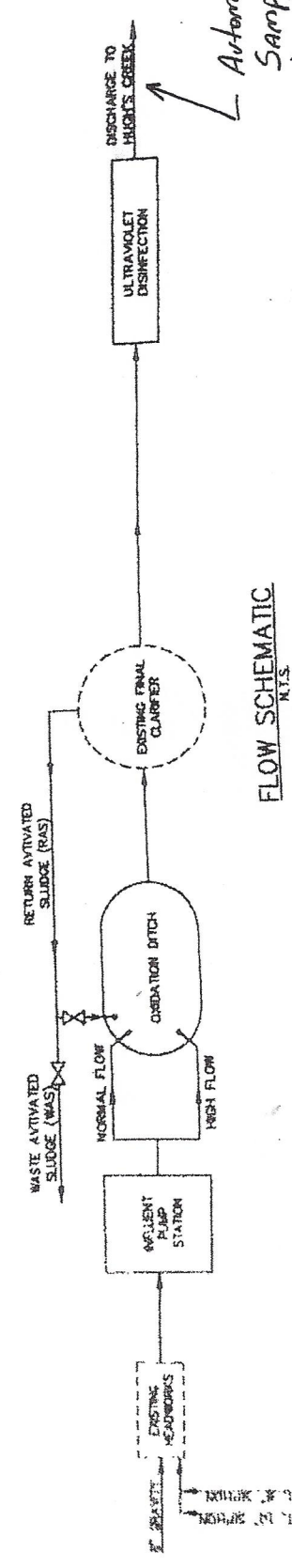
a. List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

b. Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

___ Yes ___ No



HYDRAULIC PROFILE
N.T.S.



FLOW SCHEMATIC
N.T.S.

Automatic Sampling & post aeration

Part B: # B.3

11/7/2017

Google Maps

Google Maps

*Watershed
Plant*



Google

Imagery ©2017 Google, Map data ©2017 Google 50 ft

1/25/2018

Google Maps



*Wastewater
Plant*



Imagery ©2018 Google, Map data ©2018 Google 200 ft

1/25/2018

Google Maps

*Wade Roberts
Plank St*

Google Maps



Imagery ©2018 Google, Map data ©2018 Google 500 ft

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c. If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule	Actual Completion
	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	__/__/__	__/__/__
- End construction	__/__/__	__/__/__
- Begin discharge	__/__/__	__/__/__
- Attain operational level	__/__/__	__/__/__

e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? Yes No

Describe briefly: _____

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

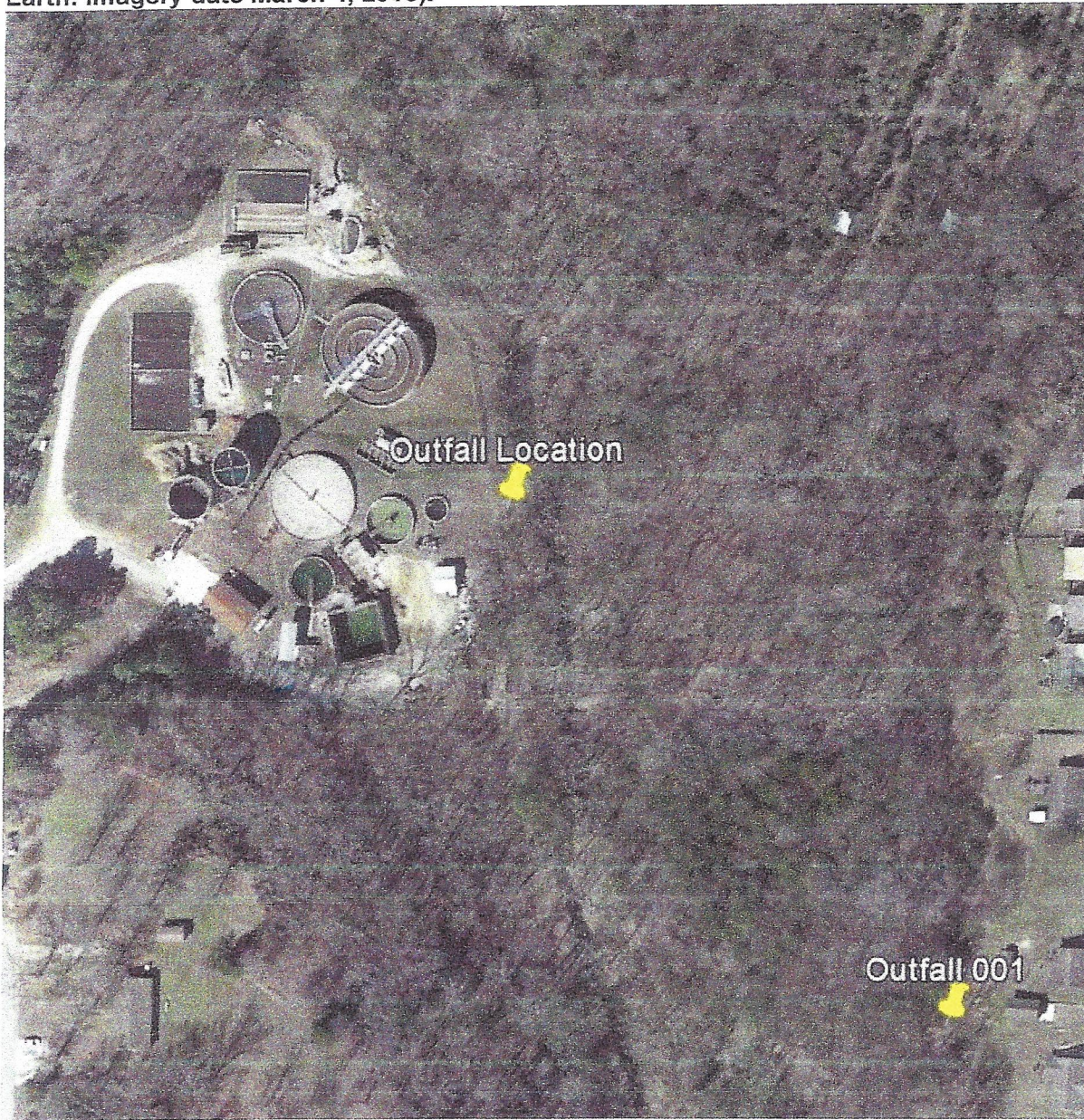
Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: 001

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)	1.7	mg/l	0.7	mg/l	3	5m4500NH3D	0.1
CHLORINE (TOTAL RESIDUAL, TRC)	0.34	mg/l	0.34	mg/l	1	SM4500CLG	0.01
DISSOLVED OXYGEN	7.9	mg/l	7.7	mg/l	3	SM4500 0	1.0
TOTAL KJELDAHL NITROGEN (TKN)	1.7	MG/L	1.7	mg/l	1	EPA 351.2	1.0
NITRATE PLUS NITRITE NITROGEN	0.95	mg/l	0.95	mg/l	1	EPA 300.0	0.5
OIL and GREASE	<5.0	mg/l	<5.0	mg/l	1	EPA 1664A	5
PHOSPHORUS (Total)	0.32	mg/l	0.32	mg/l	1	EPA 200.7	0.1
TOTAL DISSOLVED SOLIDS (TDS)	242	mg/l	242	mg/l	1	SM2540C	10.0
OTHER							

END OF PART B.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

Figure 1. General overview of the site with outfall location and actual coordinates labeled (Google Earth: imagery date March 4, 2016).



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BASIC APPLICATION INFORMATION

PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Basic Application Information packet | Supplemental Application Information packet: |
| | <input type="checkbox"/> Part D (Expanded Effluent Testing Data) |
| | <input type="checkbox"/> Part E (Toxicity Testing: Biomonitoring Data) |
| | <input type="checkbox"/> Part F (Industrial User Discharges and RCRA/CERCLA Wastes) |
| | <input type="checkbox"/> Part G (Combined Sewer Systems) |

ALL APPLICANTS MUST COMPLETE THE FOLLOWING 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 persons directly responsible for gathering the information, the information 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.

Name and official title Roger Gardner, Mayor

Signature *Roger Gardner*

Telephone number 870-269-3804

Date signed 1-23-18

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

From: [Mountain View Water Department](#)
To: [Water Permit Application](#)
Subject: Fwd: AR0020117 permit renewal
Date: Thursday, January 25, 2018 4:00:18 PM
Attachments: [ar0020117mvform2A.pdf](#)

----- Original Message -----

Subject: AR0020117 permit renewal

Date: 2018-01-25 12:08

From: Mountain View Water Department <waterdepartment@cityofmtnview.com>

To: adeq <Water.Permit.Application@adeq.state.ar.us>

file was to big to send both here is from 2a.

Debbie

--

Mountain View Water Department

Voice 1-870-269-3293

Fax 1-870-269-9158

From: [Mountain View Water Department](#)
To: [Water Permit Application](#)
Cc: [Deardoff, Amy](#)
Subject: AR0020117 permit renewal
Date: Friday, January 26, 2018 3:35:06 PM
Attachments: [renewalform1-amv.pdf](#)

Amy

I decided to do it in a two part to see if that will work. First one is from page 1 to to 4 with attachments. The other is page 5 to 13 with attachments.

Debbie

--

Mountain View Water Department
Voice 1-870-269-3293
Fax 1-870-269-9158

From: [Mountain View Water Department](#)
To: [Water Permit Application](#)
Cc: [Deardoff, Amy](#)
Subject: second part renewal AR0020117
Date: Friday, January 26, 2018 3:44:05 PM
Attachments: [form1-bmvrenewal.pdf](#)

Here comes the second part.
Debbie

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Mountain View Water Department
Voice 1-870-269-3293
Fax 1-870-269-9158