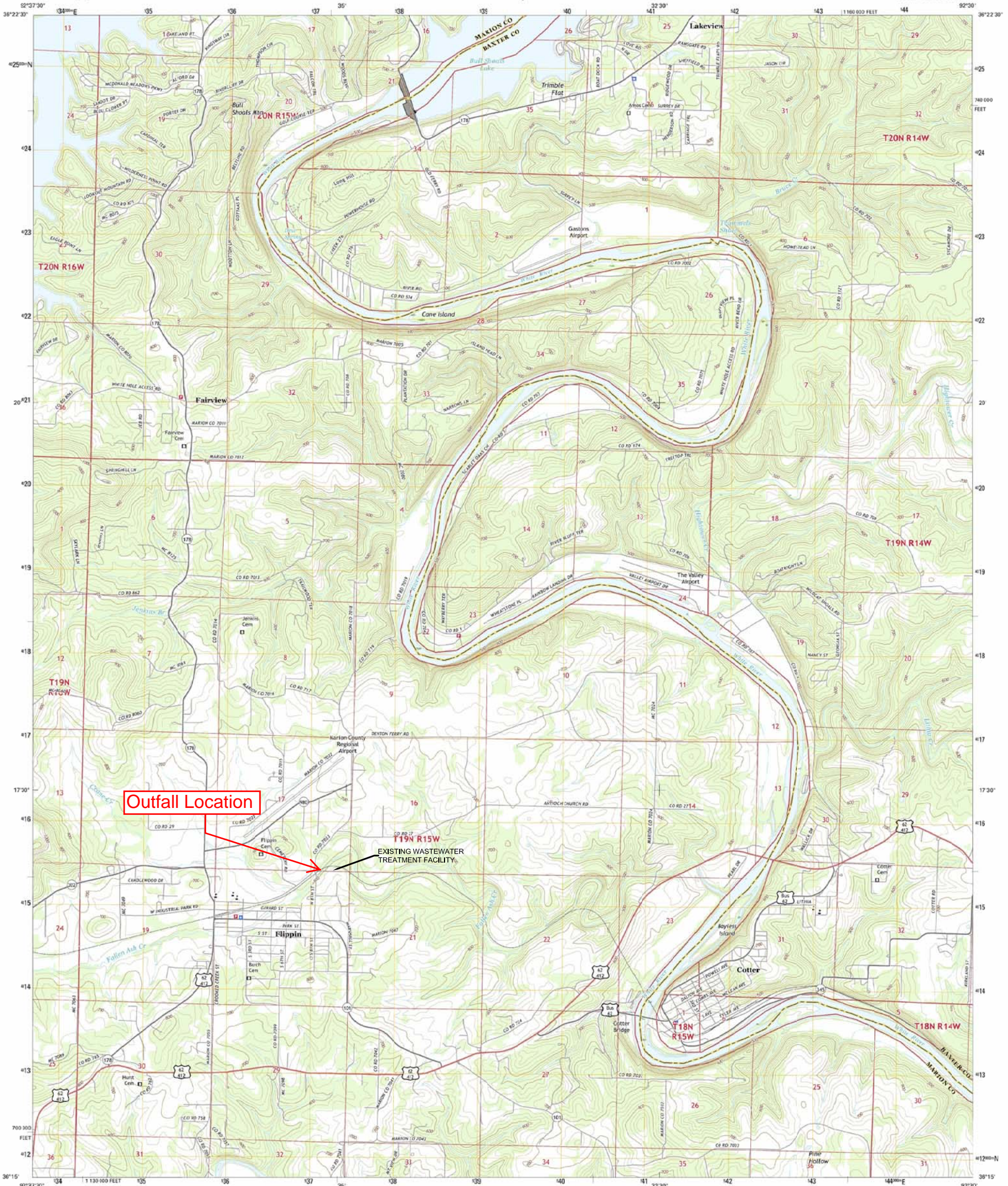




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



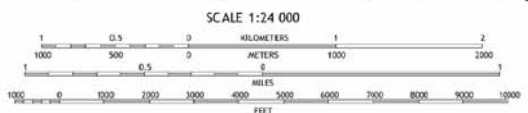
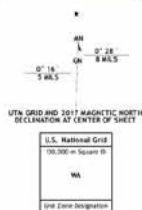
COTTER QUADRANGLE
ARKANSAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 15S
15 000-foot scale; Arkansas Coordinate System of 1983 (north
zone)

This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within
operations may not be shown. Obtain permission before
entering private lands.

Imagery:NAIP, December 2015
Roads:U.S. Census Bureau, 2015
Names:GNIS, 2016
Hydrography:National Hydrography Dataset, 2015
Contours:National Elevation Dataset, 2000
Boundaries:Multiple sources; see metadata file 1972-2016
Roads:Land Survey System, 1972-2016
Wetlands:FWS National Wetlands Inventory 1977 - 2014



1	2	3	4	5	6	7	8
1 Cotter NW	2 Bull Shoals	3 Midway	4 Cotter SW	5 Mountain Home West	6 Yellville	7 Rea Valley	8 Buffalo City

ADJOINING QUADRANGLES

COTTER, AR
2017



Form 2A NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater NEW AND EXISTING PUBLICLY OWNED TREATMENT WORKS
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SECTION 1. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS (40 CFR 122.21(j)(1) and (9))

Facility Information	1.1	Facility name Flippin Wastewater Treatment Facility			
	Mailing address (street or P.O. box) P.O. Box 40				
	City or town Flippin		State Arkansas	ZIP code 72634	
	Contact name (first and last) J.L. Wagoner	Title Public Works Director	Phone number (870) 453-8300	Email address cofmaintenance@hotmail.com	
	Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address 222 East Industrial Drive				
	City or town Flippin		State Arkansas	ZIP code 72634	
	1.2	Is this application for a facility that has yet to commence discharge? <input type="checkbox"/> Yes → See instructions on data submission requirements for new dischargers. <input checked="" type="checkbox"/> No			
Applicant Information	1.3	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.4.			
	Applicant name				
	Applicant address (street or P.O. box)				
	City or town		State	ZIP code	
	Contact name (first and last)	Title	Phone number	Email address	
	1.4	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both			
	1.5	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Facility and applicant (they are one and the same)			
Existing Environmental Permits	1.6	Indicate below any existing environmental permits. (Check all that apply and print or type the corresponding permit number for each.)			
	Existing Environmental Permits				
	<input checked="" type="checkbox"/> NPDES (discharges to surface water) AR0021717	<input type="checkbox"/> RCRA (hazardous waste)	<input type="checkbox"/> UIC (underground injection control)		
	<input type="checkbox"/> PSD (air emissions)	<input type="checkbox"/> Nonattainment program (CAA)	<input type="checkbox"/> NESHAPs (CAA)		
<input type="checkbox"/> Ocean dumping (MPRSA)	<input type="checkbox"/> Dredge or fill (CWA Section 404)	<input type="checkbox"/> Other (specify)			



CIVIL ENGINEERING ASSOCIATES, LLC

PROJECT: FLOPPIN WWTIP IMPROVEMENTS

PROJECT No: _____ Sheet No: 1 Of 1

By: JSS Date: 12/01/2020 Chkd. By: _____ Date: _____

SUBJECT: SLUDGE HOLDING POND

BOTTOM DIMENSIONS OF POND
17.5 FT. WIDE * 132.2 FT. LONG

WATER DEPTH IN POND WILL BE 10 FT., GIVING 3-FT. OF FREEBOARD

TOTAL VOLUME OF POND = 68,045 FT³ = 508,977 GALL

MASS OF SLUDGE PRODUCED = (350,000)(200)(0.75)(8.34)/1,000,000 = 438 LB/day

VOLUME OF SLUDGE PRODUCED = 438 / (0.0085 * 8.34) = 6,179 GALL/day

ASSUMING A 75% RETURN RATE, 1,545 GALL/DAY WOULD BE WASTED TO POND

AT THIS RATE, POND WOULD HAVE 329 DAYS WORTH OF STORAGE WITHOUT ANYTHING BEING DECANTED



SECTION B: FACILITY AND OUTFALL INFORMATION

1. Facility Location (All information must be based on the **front door (gate)** location of the facility). A topographic map must be submitted. See Item #5 of the instructions for additional details.:

Lat: 36 ° 16 ' 56 " Long: 92 ° 35 ' 03 "

2. Outfall Information (If more than two outfalls, add additional pages)

Outfall 001

End-of-Pipe

Location: Latitude: 36 ° 17 ' 00 " Longitude: 92 ° 35 ' 10 "

Monitoring

Location: Latitude: 36 ° 16 ' 59 " Longitude: 92 ° 35 ' 06 "

Description of outfall location: Pipe into Fallen Ash Creek to the west of the WWTF

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

Fallen Ash Creek, thence into the White River in Segment 4I of the White River

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

Screening, grit removal, oxidation ditch, final clarifiers, ultra violet disinfection, post aeration. Sludge will be held in a lagoon.

How are effluent samples collected?

Grabbed at the end of the post aeration basin

How is flow measured, i.e., v-notch weir, totalizing meter, Parshall flume, etc.?

V-notch weir with ultra-sonic flow meter (instantaneous flow plus totalizing)

Outfall

End-of-Pipe

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

Monitoring

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

Description of outfall location: _____

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

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