



# Commercial Service Projects

MEINCO WASTEWATER SYSTEMS



## Commercial Service Customers

### LOCHRIDGE ESTATES

The Lochridge Estates Subdivision utilizes a 40,000 gal/day WWTP best described as a gravel bed bioreactor. The WWTP processes sewer effluent from an 80-lot subdivision, each home has an E1 Lift Station, low pressure collection line to (4) 20,000 gallon septic tanks, gravity into (2) 20,000 gallon recirculation tanks, (4) 40' x 50' gravel beds, chlorine disinfection. The treated wastewater effluent is discharged to McHenry Creek, then to Fourche Creek, then to the Arkansas River in Segment 3C of the Arkansas River Basin.

### BLACKSTONE

The Blackstone Ranch Subdivision utilizes a 30,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from a 105-home subdivision, employing a gravity collection system, (2) 30,000 gallon septic tanks, (1) 35,000 gallon recirculation tank, (10) AX100 pods, chlorine disinfection, (1) 2,000 gallon dose tank. The treated wastewater effluent is discharged to Cedar Creek (in AR then OK), then to the Poteau River (in OK then AR), then to the Arkansas River in Segment 3I of the Arkansas River Basin.

### CALLAGHAN CREEK

The Callaghan Creek Subdivision utilizes a 5,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from a 19-home subdivision, employing a Septic Tank Effluent Pumping (STEP) collection system, (1) 5,000 gallon recirculation tank, (1) 1,500 gallon dose tank, chlorine disinfection, The treated wastewater effluent is discharged to Callaghan Branch, thence to Fourche Creek, thence to the Arkansas River in Segment 3C of the Arkansas River Basin.

### TWO RIVERS

The Two Rivers Subdivision utilizes a 2,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from a 7-home subdivision, employing a Septic Tank Effluent Pumping (STEP) collection system, (1) 2,000 gallon recirculation tank, (1) AX100 pod, chlorine disinfection, (1) 1,000 gallon dose tank, The treated wastewater effluent is discharged to the Arkansas River in Segment 3C of the Arkansas River Basin.

### EAST END SCHOOL

10,500 GPD WWTP, two 2,000 gallon grease traps, 10,000 gallon septic tank, 20,000 gallon STEP tank, 10,000 gallon recirculation tank, (5) AX100 treatment pods, 8,000 gallon dose tank, eight drip zones totalling 60,000 square feet of drip.

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### LOVES PINE BLUFF

The Love's Travel Stop in Pine Bluff utilizes a 10,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from the truck stop which includes showers and food preparatory waste, employing an E1 lift station, (1) 20,000 gallon septic tank, (2) AXMAX treatment pods, ultraviolet disinfection, and (1) 1,500 dose tank. The treated wastewater effluent is discharged to the Cousart Bayou, thence to Deep Bayou, thence to Bayou Bartholomew, thence to the Ouachita River.

### LOVES ALMA

The Love's Travel Stop in Alma utilizes an 8,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from the truck stop which includes showers and food preparatory waste. The combined wastewater is collected in a conventional gravity sewer system and flows to (1) 25,000 gallon Septic Tank Effluent Pumping (STEP) collection tank, (1) 8,000-gallon stage 1 recirculation tank, (4) AX100's, (1) 4,000 gallon stage 2 recirculation tank, (1) AX100's, (1) 4,000 dose tank, (2) drip zones totaling 70,000 square feet of sub-surface disposal area.

### BRODY CROSSING

TBD

### SLOAN ESTATES

17,500 GPD WWTP, 58 lot subdivision STEP collection, 8,000 gallon equalization tank, BioClere trickling filter package plant, 4,000 gallon dosing tank, (6) drip zones totalling 54,000 square feet.

### HOMESTEAD ESTATES

20,000 GPD WWTP, , 80 lot subdivision STEP collection, 15,000 gallon equalization tank, BioClere trickling filter package plant, 5,000 gallon dosing tank, (6) drip zones totalling 50,000 square feet.

### HORSEBEND ESTATES

Horsebend Estates utilizes a 15,000 gal/day WWTP best described as a recirculating, textile fabric packed-bed filter. The WWTP processes sewer effluent from a 51-home subdivision, employing (3) primary tanks 12,210 gallon, 12,390 gallon, 15,260 gallon respectively, equipped with a Biotube filter, (1) 12,570 gallon recirculation tank, (5) aerated bio-filtration pods, (1) 3,290 gallon dose tank, (2) drip zones totaling 18,250 square feet of sub-surface disposal area.

### HILLTOP ALMA

TBD

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