

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT

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|--|
| PERMITTEE NAME |
| Goshen Municipal POID #2 |
| PERMITTEE ADDRESS |
| 3567 W New Hope Rd Rogers, AR 72756 |


| |
|--|
| FACILITY NAME (IF DIFFERENT) |
| Waterford Estates at Hissom Ranch |
| FACILITY ADDRESS |
| 2323 Bowen Blvd Fayetteville AR 72703 |

| |
|-------------------|
| PERMIT NO. |
| 4815-WR-4 |

| |
|-----------------|
| AFIN NO. |
| 72-00974 |

| | |
|--|------------|
| WASTEWATER EFFLUENT MONITORING PERIOD | |
| MM/DD/YYYY | MM/DD/YYYY |
| 10/1/2020 | 10/31/2020 |

| TREATED WASTEWATER EFFLUENT SAMPLING | | | | | |
|---|-----------|--------------------|---------------------|-------------------------------|--|
| PARAMETER | Limit | Sample Measurement | UNITS | Monitoring | Reporting |
| Flow, Monthly total | REPORT | 1.127,100 | MG | Total Flow per calendar month | Prior to the 15th of the following Month |
| Flow, daily maximum | REPORT | 0.049,805 | MGD | Daily | |
| Carbonaceous Biochemical Oxygen Demand (CBOD5) | 15 | 3.1 | mg/l | Grab Sample once per month | |
| Total Suspended Solids (TSS) | 15 | 3.5 | mg/l | | |
| Fecal Coliform Bacteria (FCB) | 2,000 | 2 | colonies/100ml | | |
| pH | 6.0 - 9.0 | 7.6 | s.u. | | |
| Total Phosphorus (TP) | REPORT | 7.5 | mg/l | | |
| Total Kjeldahl Nitrogen (TKN) | REPORT | 54.3 | mg/l | Grab sample once per quarter | |
| Ammonia Nitrogen (NH3-N) | REPORT | 50.8 | mg/l | | |
| Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N) | REPORT | 6.13 | mg/l | | |
| Plant Available Nitrogen (PAN) | REPORT | 58 | mg/l | | |
| Loading Rate | REPORT | See Attached | gpd/ft ² | Daily | |

| | | | | |
|--|---|--|---------------------------------|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Kathy Bartlett TYPED OR PRINTED | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. |  SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE (479) 530-5926 | DATE 11/12/2020 MM/DD/YYYY |
| | | | | |
| | | | | |

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

October 2020 WATERFORD ESTATES LOADING RATES

Daily Max

49,805

Zone Identification

GPD/sq 2

Zone 1A

3,928

Zone 1B

3,936

Zone 2A

3,936

Zone 2B

3,995

Zone 3A

3,936

Zone 3B

3,936

Zone 4A

3,936

Zone 4B

3,936

Zone 5A

4,358

Zone 5B

4,568

Zone 6A

4,358

Zone 6B

4,982

Environmental Services Company, Inc.

Corporate Office
13715 West Markham
Little Rock, AR 72211
Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2010020076
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 10/30/20

Sample Date : 10/21/20
Sample Time : 0910
Sample Type : GRAB
Sample From : EFFLUENT

Collected By: HNS
Delivery By : HNS
Work Order :
Purchase Order :

Laboratory Analysis

| Analysis | | | | | | | Quality Assurance | |
|----------|------|-----|----------------------------|------------|-------|----------|--------------------|------------------------|
| Date | Time | By | Parameter | Result | Notes | Quantity | Precision % RPD | Accuracy % Recovery |
| 10/26 | 1500 | HNS | Ammonia as N, (HACH 10205) | 50.80 mg/L | | | -1.89 | 106.0 * |
| 10/26 | 1245 | TWM | Total Kjeldahl Nitrogen | 54.3 mg/L | | | 9.93 | 93.1 * |
| 10/21 | 0912 | HNS | pH | 7.6 S.U. | | | 0.00 | N/A * |
| 10/27 | 1100 | HNS | Phosphorous, Total (as P) | 7.50 mg/L | | | 0.00 | 96.0 * |
| 10/23 | 0920 | HNS | Solids, Total Suspended | 3.5 mg/L | | | 0.00 | N/A * |
| 10/21 | 1624 | HNS | Fecal Coliform (MPN/100mL) | 2.0 /100mL | | | 0.00 | N/A * |
| 10/23 | 0900 | TWM | BOD, Carbonaceous | 3.1 mg/L | | | 0.00 | 85.5 * |
| 10/26 | 0930 | HNS | Nitrate + Nitrite | 6.13 mg/L | | | 6.28 | 93.0 * |
| 10/30 | 1030 | TWM | Nitrogen, Plant Available | 58.0 mg/L | | | | |

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

KNM 1,127,100
49805

ESCI

Carlsbad, New Mexico
575-887-1ESC

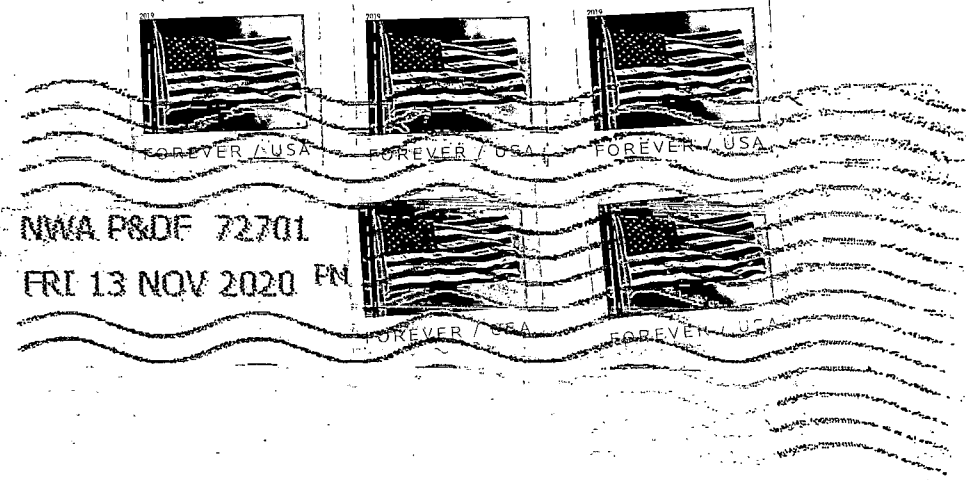
CHAIN OF CUSTODY

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NWA Utility Services Inc
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317



NWA P&DF 72701

FRI 13 NOV 2020 FN