

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
NO DISCHARGE MONTHLY MONITORING REPORT**

| |
|---|
| PERMITTEE NAME |
| Cane Island Estates LLC |
| PERMITTEE ADDRESS |
| Danny Hames 39 Nottingham Lane Rogers, AR 72758 |

| |
|---------------------------------------|
| FACILITY NAME (IF DIFFERENT) |
| Cane Island Subdivision |
| FACILITY ADDRESS |
| CR 7002 Bull Shoals Rd. Marion County |

| |
|-------------------|
| PERMIT NO. |
| 4899-WR-3 |
| AFIN NO. |
| 45-00214 |

| | | |
|--------------------------|----|------------|
| MONITORING PERIOD | | |
| MM/DD/YYYY | TO | MM/DD/YYYY |
| 7/1/2020 | | 7/31/2020 |

| EFFLUENT LIMITS, MONITORING, AND REPORTING REQUIREMENTS | | | | | |
|---|--------------|--------------------|-----------|----------------|-------------------------|
| PARAMETER | PERMIT LIMIT | SAMPLE MEASUREMENT | | UNITS | FREQUENCY OF ANALYSIS |
| CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD5) | 30 | 6.9 | | MG/L | Once per Month / Grab |
| TOTAL SUSPENDED SOLIDS (TSS) | 45 | 3.6 | | MG/L | |
| FECAL COLIFORM BACTERIA (FCB) | 2000 | 56.9 | | COLONIES/100ml | |
| pH | 6.0 - 9.0 | 7.1 | | s.u | |
| TOTAL PHOSPHOROUS (TP) | Report | 7.19 | | MG/L | |
| TOTAL KJELDAHL NITROGEN (TKN) | Report | 29 | | MG/L | Once per Quarter / Grab |
| NITROGEN AMMONIA NITROGEN (NH ₃ - N) | Report | 0.04 | | MG/L | |
| NITRITE NITROGEN (NO ₂ - N) + NITRATE NITROGEN (NO ₃ - N) | Report | 22 | | MG/L | |
| PLANT AVAILABLE NITROGEN (PAN) | Report | 30.64 | | MG/L | |
| TOTAL FLOW | | MONTHLY TOTAL | DAILY MAX | GPD | |
| | | 19,491 | 1,016 | | |

| DRIP ZONES LOADING RATE LIMITS, MONITORING AND REPORTING REQUIREMENTS | | | | | | |
|---|-------|---------------------|----------------------|-------|------------|------------------|
| Zone ID | Limit | Units | Maximum Volume Limit | Units | Monitoring | Reported maximum |
| Zone 1 | 0.62 | gpd/ft ² | 15,563 | gpd | Daily | 1,016 |
| Zone 2 | 0.62 | | 37,529 | gpd | Daily | Not Used |

K Bartlett

| | | | | |
|--|--|-----------|----------|------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. | TELEPHONE | | |
| | | 479 | 530-5926 | 8/15/2020 |
| | | AREA CODE | NUMBER | MM/DD/YYYY |

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

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: 2007010068
 Customer Name : CANE ISLAND ESTATES POA
 Customer Number : 3859
 Report Date : 07/10/20

Sample Date : 07/02/20
 Sample Time : 1110
 Sample Type : GRAB WWATER
 Sample From : FINAL EFFLUENT

Collected By: BSW
 Delivery By : BSW
 Work Order :
 Purchase Order :

| <u>Laboratory Analysis</u> | | | | | | | <u>Quality Assurance</u> | |
|----------------------------|-------------|-----------|---------------------------|---------------|--------------|--------------------|--------------------------|-------------------|
| Analysis | | | | | | | Precision | Accuracy |
| <u>Date</u> | <u>Time</u> | <u>By</u> | <u>Parameter</u> | <u>Result</u> | <u>Notes</u> | <u>Quantity</u> | <u>% RPD</u> | <u>% Recovery</u> |
| | | | | | | <u>Method</u> | | |
| 07/07 | 1200 | MRR | Ammonia as N, (HACH/SM) | 0.04 mg/L | | H/SM 11 10205/4500 | 1.67 | 100.0 * |
| 07/09 | 0730 | NTR | Total Kjeldahl Nitrogen | 28.7 mg/L | | 02/2014 HACH 10242 | 0.65 | 96.2 * |
| 07/02 | 1110 | BSW | pH | 7.1 S.U. | | SM 2011 4500-H+B | 0.00 | N/A |
| 07/08 | 1450 | MRR | Phosphorous, Total (as P) | 7.190 mg/L | | HACH 10209 | 0.00 | 96.5 * |
| 07/06 | 1445 | KNM | Solids, Total Suspended | 3.60 mg/L | | SM 2011 2540 D | 0.00 | N/A * |
| 07/09 | 1200 | NTR | Nitrogen, Plant Available | 30.64 mg/L | | 33 MSA 2nd Ed | | |
| 07/02 | 1745 | KNM | Fecal Coliform | 56.9 /100ml | | 06/2012 Colilert18 | 2.39 | N/A * |
| 07/02 | 1740 | MRR | BOD, Carbonaceous | 6.90 mg/L | | SM 2011 5210 B | 16.92 | 100.0 * |
| 07/09 | 1100 | NTR | Nitrate + Nitrite | 22.00 mg/L | | HACH 10206 | 0.37 | 100.2 * |

* 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
 19491
 1010

Environmental Services Company, Inc.
 Corporate Office
 13715 West Markham P.O. Box 55146
 Little Rock, AR 72211 Little Rock, AR 72215
 website: www.esclabs.com



Springdale, Arkansas
 479-750-1170

Carlsbad, New Mexico
 575-887-1ESC

Phone: 501-221-2565 Fax: 501-221-1341

CHAIN OF CUSTODY

| Client Information | | | | Project Information | | | | | | Requested Parameters | | | | | | |
|---|---------------|-------------------|------|---|--------|-------------------|------------|--------------------------------|---------|---|-------------|-----------------------|--|--|--|--|
| Client: Cane Island Estates POA | | | | Permit/Project #: | | | | | | TSS(28), CBOD(70) | Total P(25) | Fecal Coliform(43.IF) | | | | |
| Address: 39 Nottingham Lane | | | | Purchase Order #: | | | | | | | | | | | | |
| Rogers, AR 72758 | | | | Work Order # 111816-AEG2 | | | | | | | | | | | | |
| Phone: 479-619-8450 | | | | Sampler Name(s): <i>Baxter Voosley</i> | | | | | | | | | | | | |
| Fax: rhames@nwark.com | | | | and Signature(s): <i>BV</i> | | | | | | | | | | | | |
| Contact: Mr. Rusty Hames | | | | ESC Client Number: 3859 Monthly | | | | | | | | | | | | |
| Sample Identification | | Sample Collection | | | | Sample Containers | | | | | | | | | | |
| Identification | ESC Control # | Date | Time | Type | Matrix | Type | Volume | Preservative | # | | | | | | | |
| Final Effluent | 2007010068 | 7-2-20 | 1110 | Grab | Wwater | Plastic | 1/2 Gal | Cool ≤ 6° C | 1 | X | | | | | | |
| | I | I | I | Grab | Wwater | Plastic | 1 Liter | Cool ≤ 6° C, H2SO4 to pH <2 | 1 | X | | | | | | |
| | | | | Grab | Wwater | Whirlpak | 4 oz. | Cool <10° C, Na2S2O3 | 1 | X | | | | | | |
| Relinquished By: (Signature and Printed Name) | | Date | Time | Received By: (Signature and Printed Name) | | | | Date | Time | Custody Seals: | | | | | | |
| <i>Baxter Voosley</i> | | 7-2-20 | 1720 | | | | | | | Used? <input type="checkbox"/> Intact? <input type="checkbox"/> | | | | | | |
| Relinquished By: (Signature and Printed Name) | | Date | Time | Received By: (Signature and Printed Name) | | | | Date | Time | Turnaround: | | | | | | |
| | | | | | | | | | | Regular <input type="checkbox"/> Special <input type="checkbox"/> | | | | | | |
| Relinquished By: (Signature and Printed Name) | | Date | Time | Received for Lab By: (Signature and Printed Name) | | | | Date | Time | Were samples properly preserved: | | | | | | |
| | | | | <i>Kristin Mullins</i> | | | | 7/2/20 | 1720 | Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | |
| Comments: | | | | | | Flow Data | Field Test | Time | Analyst | Result | Result | Units | | | | |
| Site Address: 1364 Cane Island Road | | | | | | | pH: | 1110 | BV | 2.1 | 2.1 | SU | | | | |
| Flippin, AR 72634 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | Fecal Start: | 1745 | | KVM | This Document is Page ___ of ___ | | | | | | |

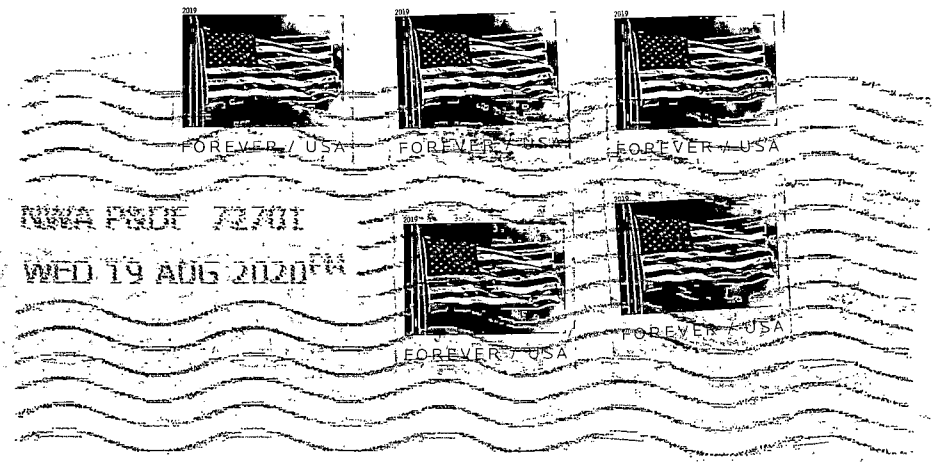
BV

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NWA PD# 73701
WED 19 AUG 2020

 **NWA UTILITY SERVICES, INC**
PO Box 9299
Fayetteville, AR 72703

Arkansas Dept. of Energy and Environment
Water Division Permits Branch
5301 Northshore Drive
North Little Rock, AR
72118-5317