

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

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|---------------------------------------|
| PERMITTEE NAME |
| City of Cave Springs |
| PERMITTEE ADDRESS |
| P.O. Box 36 Cave Springs AR, 72718 |

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|-------------------------------------|
| FACILITY NAME (IF DIFFERENT) |
| Plant # 2 |
| FACILITY ADDRESS |
| 498 Pebble Beach |

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|-------------------|
| PERMIT NO. |
| 4893-WR-2 |
| AFIN NO. |
| 04-01642 |

MAKE ADDITIONAL COPIES OF THIS FORM FOR FUTURE USE. SUBMIT LAB ANALYSES WITH THIS FORM.

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|--|---------------|
| WASTEWATER EFFLUENT MONITORING PERIOD | |
| MM/DD/YYYY | MM/DD/YYYY |
| FROM 09/01/2015 | TO 09/30/2015 |

| TREATED WASTEWATER EFFLUENT SAMPLING | | | | | | |
|---|---|--|-----------|--|---------------|------------|
| PARAMETER | PERMIT REQUIREMENT | SAMPLE MEASUREMENT | UNITS | FREQUENCY OF ANALYSIS | SAMPLE TYPE | |
| PHOSPHOROUS, TOTAL (AS P) GROSS VALUE | ***** | 6.9 | MG/L | ONCE/MONTH | EFFLUENT GRAB | |
| CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE | _____ | 4.8 | MG/L | ONCE/MONTH | GRAB | |
| PH EFFLUENT GROSS VALUE | 6 to 9 | 6.6 | S.U. | ONCE/MONTH | GRAB | |
| SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE | _____ | 9.0 | MG/L | ONCE/MONTH | GRAB | |
| COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE | _____ | 800 | N/100 ML | ONCE/MONTH | GRAB | |
| NITROGEN, TOTAL KJELDAHL (AS TKN) EFFLUENT GROSS VALUE | ***** | 22.40 | MG/L | ONCE/MONTH | GRAB | |
| NITROGEN, AMMONIA TOTAL (AS NH ₃ -N) EFFLUENT GROSS VALUE | ***** | 14.0 | MG/L | ONCE/MONTH | GRAB | |
| NITROGEN, NITRATE + NITRITE (AS NO ₃ -N + NO ₂ -N) EFFLUENT GROSS VALUE | ***** | 339.2 | MG/L | ONCE/MONTH | GRAB | |
| PLANT AVAILABLE NITROGEN (AS PAN) CALCULATED VALUE | | 355.7 | MG/L | ONCE/MONTH | GRAB | |
| FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE | ***** | MONTHLY TOTAL | DAILY MAX | MGD | ONCE/MONTH | TOTAL FLOW |
| | | 1.19 | .042 | | | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | 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. | | | TELEPHONE | DATE | |
| TYPED OR PRINTED | | | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | 479 295-3013 | 10-1-15 |
| COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) | | We have been fixing the problems as they arise! We are currently looking at connecting to Springdale's wastewater system as an alternative. Some of our leaks are broken pipes but I think the others are soil classification. | | AREA CODE | NUMBER | MM/DD/YYYY |

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: 1509020019 | Sample Date : 09/02/15 | Collected By: WDS |
| Customer Name : CAVE SPRINGS, CITY OF OUTFALL 2 | Sample Time : 1145 | Delivery By : WDS |
| Customer/Permit No. : 2379 / 4893-WR-2 002 | Sample Type : GRAB | Work Order : |
| Report Date : 09/14/15 | Sample From : EFF. DIVERTER BOX | Purchase Order : |

| <u>Laboratory Analysis</u> | | | | | | | <u>Quality Assurance</u> | |
|----------------------------|-------------|-----------|---------------------------|--------------|-----------------|--------------------|--------------------------|-----------------|
| <u>Analysis</u> | | | <u>Result</u> | <u>Notes</u> | <u>Quantity</u> | <u>Method</u> | <u>Precision</u> | <u>Accuracy</u> |
| <u>Date</u> | <u>Time</u> | <u>By</u> | | | | | <u>Parameter</u> | <u>% RPD</u> |
| 09/04 | 1022 | RHB | Ammonia Nitrogen | 14.0 mg/L | | SM 1997 4500-NH3 F | 0.00 | 102.2 * |
| 09/11 | 0815 | TSB | Kjeldahl Nitrogen Total | 22.40 mg/L | | SM 1997 4500-NorgB | 1.86 | 99.4 * |
| 09/08 | 1100 | TSB | Nitrate Nitrogen | 166.20 mg/L | | SM 2000 4500-NO3 E | 1.50 | 96.0 * |
| 09/04 | 1300 | RHB | Nitrite Nitrogen | 173.000 mg/L | | SM 2000 4500 NO2 B | 2.24 | 98.6 * |
| 09/02 | 1145 | WDS | pH | 6.6 S.U. | | SM 2000 4500-H+ B | 0.00 | N/A * |
| 09/08 | 0900 | TSB | Phosphorous, Total (as P) | 6.9 mg/L | | EPA 365.3 | 2.06 | 105.8 * |
| 09/04 | 0900 | KIK | Solids, Total Suspended | 9.0 mg/L | | SM 1997 2540 D | 14.40 | N/A * |
| 09/02 | 1635 | KIK | Coliform, Fecal | 800 /100ml | | SM 1997 9222 D | 0.00 | N/A * |
| 09/02 | 0800 | KIK | BOD, Carbonaceous | 4.8 mg/L | | SM 2001 5210 B | 15.14 | 95.1 * |
| 09/08 | 1620 | KIK | Solids, % Total by mass | 0.041 % | | SM 1997 2540 G | 0.00 | N/A * |
| 09/15 | 1126 | RHB | Nitrogen, Plant Available | 355.7 mg/L | | SM 1997 4500-N | | |

* 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 Richard Brown
 Environmental Services Co., Inc.

City of Cave Springs
P.O. Box 36
Cave Springs, AR 72718

NORTHWEST AR P&DF
AR 727 1-L
02 OCT 2015 PM



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