|          | Α                 | В   | С                | D             | E             | F                | G               | Н                | I           | J            | K                | L                            | l M                       | N                    | 0             | Р         |
|----------|-------------------|---|------------------|---------------|---------------|------------------|-----------------|------------------|-------------|--------------|------------------|------------------------------|---------------------------|----------------------|---------------|-----------|
| 1        |                   |   |                  |               |               | CALCULATI        | ONS OF ARKAN    | SAS WATE         | R QUALITY   | -BASED EF    | FLUENT LIMIT     | ATIONS                       |                           |                      |               |           |
| 2        | The spreadshee    | t logic will f  | unction corre    | ctly when AL  | L yellow cell | s with "?" have  | e data entered. | For an Arka      | nsas Rive   | r/Stream     |                  |                              |                           |                      |               |           |
| 3        | Do not enter dat  | a in yellow   | cells marked     | "Reserved".   | White cells   | marked "Rese     | rved" have comp | (Reserved)       |             |              |                  |                              |                           |                      |               |           |
|          |                   |   |                  |               |               | (Use Code at     |                 | GC               |             |              |                  |                              |                           |                      |               |           |
| 5        |                   |   |                  |               |               |                  |                 |                  |             |              |                  |                              |                           |                      |               |           |
| 6        |                   |   |                  |               |               |                  |                 |                  |             |              |                  |                              |                           |                      |               |           |
| 7        | FACILITY          |   |                  |               |               |                  |                 |                  |             |              | Codes & TSS      | for Ecoregi                  | ions and Larg             | e Rivers             |               |           |
| 8        |                   |   |                  |               |               |                  |                 |                  |             | Ouachita Mt  | s. Eco (OM) =    | 2.0 mg/l                     | Arkansas (Ft.             | Smith to Dar         | danelle Dam   | 12.0 mg/l |
| 9        | Permittee         |   |                  |               |               |                  |                 | EDCC             |             | Ozark Highla | ands Eco (OH) =  | 2.5 mg/l                     | Arkansas (Da              | rdanelle Dam         | to Terry L&I  | 10.5 mg/l |
| 10       | NPDES Permit I    | No.   |                  |               |               |                  |                 | AR0000752        |             | Boston Mts.  | Eco (BM) =       | 1.3 mg/l                     | Arkansas (Te              | rry L&D to L&        | D No. 5)      | 8.3 mg/l  |
|          | Outfall No.(s)    |   |                  |               |               |                  |                 | 103ST            |             | Ark River Va | alley Eco (AV) = | 3.0 mg/l                     | Arkansas (L&              | D No. 5 to Mo        | outh)         | 9.0 mg/l  |
| 12       | Plant Effluent Fl | ow (MGD)  |                  |               |               |                  |                 | 0.65             |             |              |                  | 5.5 mg/l                     | White (Above              |                      |               | 2.5 mg/l  |
|          | Plant Effluent Fl | ow (cfs)  |                  |               |               |                  |                 | 1.00             |             | Delta Ecoreg | gion (DL) =      | 8.0 mg/l                     | White (Below              | Bull Shoals to       | o Black Riv)  | 3.3 mg/l  |
| 14       |                   |   |                  |               |               |                  |                 |                  |             |              |                  |                              | White (From               | Black River to       | Mouth)        | 18.5 mg/l |
|          | RECEIVING ST      | REAM  |                  |               |               |                  |                 |                  |             |              |                  |                              | St. Francis R             |                      |               | 18.0 mg/l |
| 16       |                   |   |                  |               |               |                  |                 |                  |             |              |                  |                              | Ouachita (Ab              |                      | ,             | 2.0 mg/l  |
|          |                   | this a Large River from the list at right? (enter "1" if yes, "0" if no; make entry as a number |                  |               |               | try as a number) |                 |                  |             |              |                  | Ouachita (Below Caddo River) |                           |                      | 5.5 mg/l      |           |
|          | Name of Receiv    | ing Stream  | :                |               |               |                  |                 | unnamed tri      | butary      |              |                  |                              | Red River                 |                      |               | 33.0 mg/l |
| 19       |                   |   |                  |               |               |                  |                 |                  |             |              |                  |                              |                           |                      |               |           |
|          | Is this a lake or | reservoir? (  | enter '1' if yes | s, '0' = no;  | make entry    | as a number)     |                 | 0                |             |              | Total Hardnes    |                              |                           |                      |               |           |
|          | (Reserved)        |   |                  |               |               |                  |                 | 0                |             |              | Arkansas Rive    |                              | 1                         | Red River = 211 mg/l |               |           |
|          | (Reserved)        | DO  | NOT INPUT        | DATA INTO     | CELL H22,     | H23 & H24        | LEAVE BLANK-    | • <mark>?</mark> |             |              | Ouachita River   |                              | St. Francis River = 103 m |                      |               | ig/l      |
| 23       | (Reserved)        |   |                  |               |               |                  |                 | , <u> </u>       |             |              | White River =    | 116 mg/l                     |                           |                      |               |           |
| 24<br>25 |                   | (Reserved)  | )                | (Reserved)    |               |                  |                 | (Reserved)       |             |              |                  |                              |                           |                      |               |           |
| 25       |                   |   |                  | (Reserved)    |               |                  |                 | (Reserved)       |             |              | Gulf Coastal =   |                              |                           |                      | ount = 31 mg/ |           |
| 26<br>27 |                   |   |                  | (Reserved)    |               |                  |                 | (Reserved)       |             |              | Ozark Highland   |                              | g/I                       |                      | illey = 25 mg | ;/I       |
| 20       |                   |   |                  | (Reserved)    |               |                  |                 | (Reserved)       |             |              | Boston Mount     | = 25 mg/I                    |                           | Delta = 81 m         | ng/I          |           |
|          | Ecoregion TSS     | (ma/l) (For   | Large River. S   | See List to R | iaht)         |                  |                 | 5.50             |             |              | Large Rivers     |                              |                           |                      |               |           |
|          | Ecoregion Hard    |   |                  |               | <u> </u>      |                  |                 | 31.00            |             |              | Mississippi Riv  | er, Arkans                   | as River, Red             | River                |               |           |
|          | Enter 7Q10 (cfs   |   |                  | (Reserved)    |               |                  |                 | 11.56            | (Reserved   |              | White (Below o   |                              |                           |                      |               |           |
|          | Long Term Ave     |   |                  | cfs)          |               |                  |                 | 1.00             | (Reserved   | (Reserved)   | Ouachita (Belo   | w confluence                 | ce with Little Mi         | iss. River)          |               |           |
| 33       | Using Diffusers   | (Yes/No)  |                  | ,             |               |                  |                 | no               | •           | ,            | ,                |                              |                           | ,                    |               |           |
| 34       | pH (Avg)          | `   |                  |               |               |                  |                 | 7.00             |             |              | For industrial   | and federal                  | facility, use the         | highest mon          | thly average  | flow      |
|          | Percent (%) of 0  | Critical Flow   | for Chronic C    | Criteria      |               |                  |                 | 0.67             |             |              | for the past 24  |                              |                           |                      |               |           |
|          | Percent (%) of C  |   | for Acute Cri    | teria         |               |                  |                 | 0.33             |             |              |                  |                              |                           |                      |               |           |
|          | Water Effect Ra   |   |                  |               |               |                  |                 | 1.00             | These cells |              | #VALUE! =>       |                              |                           |                      |               |           |
|          | Ave Monthly Lin   |   |                  | age 103 TSD   | for WQ-Bas    | ed Toxics Co     | ntrol)          | 1.55             | must be     |              | 9999999.00 =>    | No EPA/A                     | DEQ Guideline             |                      |               |           |
| 39       | Max Daily Limit   | LTA Multipl   | ier (Ref: "      | "             | "             | "                | )               | 3.11             | unlocked    |              |                  |                              |                           |                      |               |           |
| 40       | Max Daily Limit   | LTA Multipl   | ier for Human    | n Health (Ref | : 2009 CPP;   | Section 5.27.    | 2)              | 1.64             | to change.  |              |                  |                              |                           |                      |               |           |

|          | Α                | В   | С                | D   | E   | l F                  | G                  | Н             | 1 1          | 1                | K             | ı            | М          | l N       | 0           | P        |
|----------|------------------|---|------------------|---|---|----------------------|--------------------|---------------|--------------|------------------|---------------|--------------|------------|-----------|-------------|----------|
| 41       | STEP 2:          |   | -                |   |   | '                    |                    | 11            | ı            | 3                | IX            |              | IVI        | I IN      |             | <u>'</u> |
| 42       | SIEF Z.          | STEP 2: INPUT AMBIENT AND EFFLUENT DATA  CALCULATE IN-STREAM WASTE CONCENTRATIONS |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 43       |                  | CALCULATE   | IN-STREAT        | W WASTE C   | ONCENTRA  | ATIONS               |                    |               |              |                  |               |              |            |           |             |          |
| 44       | DATA INPUT       |   |                  |   | 00 -1-4   |                      |                    |               |              | !!+ //           |               |              |            |           |             |          |
| 44       | DATA INPUT       |   |                  |   | for less than 20 data points enter geometric mean concentration as micro-gram per liter (ug/l or ppb).  |                      |                    |               |              |                  |               |              |            |           |             |          |
| 45<br>46 |                  |   |                  | For 20 or mo  | or 20 or more data points in set enter highest concentration as micro-gram per liter (ug/l or ppb).   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 46       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 47       |                  |   |                  |   | fluent value reported as "< detection level" (DL) but the DL is greater than MQL, the 1/2 DL is used.  fluent value reported as "< detection level" (DL) and the DL is smaller than MQL, "0" is used. |                      |                    |               |              |                  |               |              |            |           |             |          |
| 48       |                  |   |                  |   |   |                      |                    |               |              | IQL, "0" is use  | d.            |              |            |           |             |          |
| 49       |                  |   |                  | If a firm valu  | a firm value is reported, even less than MQL, the reported value is used.   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 50       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 51       |                  |   |                  |   | e following formulae is used to calculate the Instream Waste Concentration (IWC)  |                      |                    |               |              |                  |               |              |            |           |             |          |
| 52       |                  |   |                  | (Please refe  |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 53       |                  |   |                  |   | (Qe   | e*2.13*Ce)] / (      | F*Qa + Qe)         |               |              |                  |               |              |            |           |             |          |
| 54<br>55 |                  |   |                  | Where:  |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 55       |                  |   |                  |   |   | Concentration        |                    |               |              |                  |               |              |            |           |             |          |
| 56       |                  |   |                  |   |   | allowed for m        |                    |               |              |                  |               |              |            |           |             |          |
| 57       |                  |   |                  |   | e = Reported concentration in effluent  |                      |                    |               |              |                  |               |              |            |           |             |          |
| 58       |                  |   |                  |   | Cb = Ambient stream concentration upstream of discharge   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 59       |                  |   |                  |   | te = Plant effluent flow  |                      |                    |               |              |                  |               |              |            |           |             |          |
| 60       |                  |   |                  | Qb = Critica  | Qb = Critical low flow of stream at discharge point expressed as the 7Q10 or harmonic mean flow for human health criteria   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 61       |                  |   |                  | Upstream Fl   | Upstream Flow (Qb)= (% of 7Q10) X 7Q10 for Chronic and Acute  |                      |                    |               |              |                  |               |              |            |           |             |          |
| 62       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
|          | The following fo | rmulae conve  | ert metals re    | ported in tota  | al form to dis  | ssolved form if      | criteria are in di | ssolved form  |              |                  |               |              |            |           |             |          |
| 64       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
|          | Kp = Kpo * (TS   |   |                  |   |   | Kp = Linear p        | artition coefficie | nt; Kpo and a | a can be fou | ınd in table bel | ow            |              |            |           |             |          |
|          | C/Ct = 1/(1 + K) |   |                  | TSS = Total suspended solids concentration found in receiving stream (or in effluent for intermittent stream) |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 67       | Total Metal Crit | eria (Ct) = Cr  | / (C/Ct)         | C/Ct = Fraction of metal dissolved; and Cr = Dissolved criteria value   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 68       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 69       |                  | *Stream Lin   | ear Partitio     | n Coefficien  | it (Insert "D   | issolved" Co         | nc in Column B     | to convert t  | o "Total")   | L                | ake Linear Pa | artition Coe | fficient   |           |             |          |
|          |                  | Dissolved   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
|          |                  | Value in  |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
| 70       | Total Metals     | Stream  |                  | Kpo   | alpha (a)   | Kp                   | C/Ct               | Total Value   |              |                  | Kpo           | alpha (a)    | Kp         | C/Ct      | Total Value |          |
| 71       |                  |   |                  |   |   |                      |                    |               |              |                  |               |              |            |           |             |          |
|          | Cadmium          |   |                  | 4000000   | -1.13   | 582706.889           |                    | 0.00          |              |                  | 3520000.00    | -0.92        | 733514.98  | 0.1986361 | 0           |          |
|          | Chromium(3)      |   |                  | 3360000   | -0.93   |                      | 0.208948818        | 0.00          |              |                  | 2170000.00    | -0.27        | 1369499.28 |           | 0           |          |
|          | Copper           |   |                  | 1040000   | -0.74   |                      | 0.381672529        | 0.00          |              |                  | 2850000.00    | -0.9         |            | 0.2283249 | 0           |          |
| 76       | Lead             |   |                  | 2800000   | -0.8  | 715925.58            | 0.202527926        | 0.00          |              |                  | 2040000.00    | -0.53        | 826490.64  | 0.1803199 | 0           |          |
|          | Mercury          |   |                  | 2900000   | -1.14   | 415321.613           |                    | 0.00          |              |                  | 1970000.00    | -1.17        | 268066.09  | 0.4041443 | 0           |          |
|          | Nickel           |   |                  | 490000  | -0.57   |                      | 0.495077211        | 0.00          |              |                  | 2210000.00    | -0.76        | 604946.03  | 0.2310962 | 0           |          |
|          | Zinc             |   |                  | 1250000   | -0.7  | 379014.766           |                    | 0.00          |              |                  | 3340000.00    | -0.68        | 1047851.74 | 0.1478593 | 0           |          |
|          | Silver           |   |                  | 2400000   | -1.03   | 414607.994           | 0.30484608         | 0.00          |              |                  | 2400000.00    | -1.03        | 414607.99  | 0.3048461 | 0           |          |
| 81       |                  | *Note: Use this   | section to conve | ert lab concentra   | ations shown a  | s "dissolved" to "to | otal"              |               |              |                  |               |              |            |           |             |          |
| 82       |                  |   |                  |   |   |                      |                    |               |              |                  | Dissolved     | Total        |            |           |             |          |

|            | Α                | В          | С                      | D             | Е            | F              | G   | Н            | I          | J            | K                     | L         | M  | N  | 0             | Р   |  |  |
|------------|------------------|------------|------------------------|---------------|--------------|----------------|---|--------------|------------|--------------|-----------------------|-----------|--|--|---------------|-----|--|--|
|            | The following f  | ormulas ar | e used to ca           | alculate wate | r quality cr | iteria based o |   |              |            |              | WQC (ug/l)            | WQC(ug/l) | )  |  |               |     |  |  |
|            | Cadmium          |            |                        | Acute         |              |                | WER X CF1 X                               |              |            |              | 1.04                  |           | CF1 = 1.136672 - [0.041838*ln(hardness)] |  |               |     |  |  |
| 85         |                  |            |                        | Chronic       |              |                | WER X CF2 X e(0.7852[ln(hardness)]-3.490) |              |            |              | 0.43                  | 0.43      |  | CF2 = 1.101672 - [0.041838*ln(hardness)] |               |     |  |  |
| 86         |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
|            | Chromium Tri     |            |                        | Acute         |              |                | WER X 0.316 X e(0.819[In(hardness)]+3.688 |              |            |              | 210.28                |           |  |  |               |     |  |  |
| 88         |                  |            |                        | Chronic       |              |                | WER X 0.86 X                              | e(0.819[ln(l | hardness)  | ]+1.561      | 68.21                 |           |  |  |               |     |  |  |
| 89         |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
|            | Chromium Hex     |            |                        | Acute         |              |                | WER X 0.982                               |              |            |              | 15.71                 |           |  |  |               |     |  |  |
| 91         |                  |            |                        | Chronic       |              |                | WER X 11 X 0                              | 962          |            |              | 10.58                 |           |  |  |               |     |  |  |
| 92         |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 93         | Copper           |            |                        | Acute         |              |                | WER X 0.96 X                              |              |            |              | 5.64                  |           |  |  |               |     |  |  |
| 94         |                  |            |                        | Chronic       |              |                | WER X 0.96 X                              | e(0.8545[In  | (hardness  | s)]-1.465)   | 4.17                  |           |  |  |               |     |  |  |
| 95         |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
|            | Lead             |            |                        | Acute         |              |                | WER X e(1.27)                             |              |            |              | 17.68                 |           | CF3 = 1.462                              | 03 - [0.145712                           | 2*In(hardness | 3)] |  |  |
| 97         |                  |            |                        | Chronic       |              |                | WER X e(1.27)                             | 3[In(hardnes | ss)]-4.705 | )*CF3        | 0.69                  |           |  |  |               |     |  |  |
| 98         |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 99         | Mercury          |            |                        | Acute         |              |                | WER X 0.85 X                              | 2.4          |            |              | 2.04                  |           |  |  |               |     |  |  |
| 100        |                  |            |                        | Chronic       |              |                | WER X 0.012                               |              |            |              | 0.01                  |           |  |  |               |     |  |  |
| 101        |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
|            | Nickel           |            |                        | Acute         |              |                | WER X 0.998                               |              |            | ,. ,         | 525.50                |           |  |  |               |     |  |  |
| 103        |                  |            |                        | Chronic       |              |                | WER X 0.997                               | K e(0.8460[I | n(hardne   | ss)]+1.1645) | 58.36                 |           |  |  |               |     |  |  |
| 104        |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 105        |                  |            |                        | Acute         |              |                | WER X 0.978                               |              |            |              | 42.43                 |           |  |  |               |     |  |  |
| 106        |                  |            |                        | Chronic       |              |                | WER X 0.986                               | K e(0.8473[I | n(hardne   | ss)]+0.7614) | 38.74                 |           |  |  |               |     |  |  |
| 107        |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 108        | Silver           |            |                        | Acute         |              |                | WER X 0.85 X                              | e(1.72[ln(h  | ardness)]  | 6.52)        | 0.46                  |           |  |  |               |     |  |  |
| 109        |                  |            |                        |               |              |                |   |              |            |              | _                     |           |  |  |               |     |  |  |
| 110        | Cyanide          |            |                        | Acute         |              |                | WER X 22.36                               |              |            |              | 22.36                 |           |  |  |               |     |  |  |
| 111        |                  |            |                        | Chronic       |              |                | WER X 5.2                                 |              |            |              | 5.20                  |           |  |  |               |     |  |  |
| 118        |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
|            | Selenium         |            |                        | Acute         |              |                | WER X 20                                  |              |            |              | 20.00                 |           |  |  |               |     |  |  |
| 120        |                  |            |                        | Chronic       |              |                | WER X 5                                   |              |            |              | 5.00                  |           |  |  |               |     |  |  |
| 121        |                  |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 122        | The following fo | rmulas are |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |
| 123        |                  |            | $DF = ((2.8)^{\circ})$ | D * 3.1416^   |              |                | % of effluent at                          |              |            |              |                       |           |  |  |               |     |  |  |
| 124<br>125 |                  |            |                        |               |              |                |   |              |            |              | eria 200 feet for mix | ing zone. |  |  |               |     |  |  |
| 125        |                  |            | DF =                   | #VALUE!       | Acute        | #VALUE!        | Chronic                                   | #VALUE       | ! Bioacc   | -            |                       |           |  |  |               |     |  |  |
| 126        | İ                |            |                        |               |              |                |   |              |            |              |                       |           |  |  |               |     |  |  |

|     | Α                 | В   | С               | D            | Е            | F              | G                | Н              | ı           | J              | K               | L              | М                 | N                   | 0           | Р       |
|-----|-------------------|---|-----------------|--------------|--------------|----------------|------------------|----------------|-------------|----------------|-----------------|----------------|-------------------|---------------------|-------------|---------|
|     | The following for | mulas are ı   | used to calcula | ate the inst | ream waste c | oncentration ( | IWC) for each p  | ollutant:      |             |                |                 |                |                   |                     |             |         |
| 128 | -                 |   |                 |              |              |                |                  |                |             |                |                 |                |                   |                     |             |         |
| 129 |                   |   | IWC = [ (Fra    | c X Critical | Flow X Cb) + | (2.13 X Ce X   | Qd)] / [Frac X C | ritical Flow + | Qd] wher    | e the critical | flow is the 7Q1 | 0 except for l | akes with the     | Jet Stream M        | odel.       |         |
| 130 |                   |   |                 |              |              |                |                  |                |             |                |                 |                |                   |                     |             |         |
| 131 |                   | IWC = (DF X Ce) + Cb for lakes with Jet Stream Model. |                 |              |              |                |                  |                |             |                |                 |                |                   |                     |             |         |
|     |                   |   | Number of       |              | EPA          | Background     | Effluent         | Domestic       | Acute       | Chronic        |                 |                | Arkansas<br>Acute | Arkansas<br>Chronic | Arkansas    | EPA     |
| 132 | POLLUTANTS        |   | Data points     | MQL          | Statistical  | Conc.          | Conc.            | Supply         | Aquatic     | Aquatic        | Bioacc.         | [Reserved]     | Aquatic           | Aquatic             | Bioacc.     | Bioacc. |
| 133 |                   |   |                 | ug/l         | Factor       | Cb<br>ug/l     | Ce<br>ug/l       | IWC<br>ug/l    | IWC<br>ug/l | IWC<br>ug/l    | IWC<br>ug/l     |                | ug/l              | ug/l                | ug/l        | ug/l    |
| 137 | METALS AND C      | CYANIDE   |                 |              |              |                |                  |                |             |                |                 |                |                   |                     |             |         |
| 138 | 8. Copper Total   |   | 18              | 0.5          | 2.13         | 0              | 8.25             | 1.40           | 3.64        | 2.01           | 8.78            | 9999999        | 14.79             | 10.93               | 9999999     | 13,000  |
|     | 9. Lead Total     |   | 53              | 0.5          | 1            | 0              | 9.9              | 0.79           | 2.05        | 1.13           | 4.95            | 9999999        | 87.29             | 3.40                | 9999999     | 50      |
|     | 16. Zinc Total    |   | 18              | 20           | 2.13         | 0              | 101.29           | 17.15          | 44.74       | 24.63          | 107.77          | 9999999        | 130.87            | 119.50              | 9999999     | 260,000 |
| 141 |                   |   |                 |              |              |                |                  |                |             |                |                 |                |                   | *Primary D          | rinking Wat | er MCI  |

|     | A            | В         | С         | D         | Е          | F       | G | Н       |         | J       | К        | L | М | N                                     | 0 | Р |
|-----|--------------|-----------|-----------|-----------|------------|---------|---|---------|---------|---------|----------|---|---|---------------------------------------|---|---|
|     | STEP 3:      | APPLICABL | E WATER C | UALITY-BA | SED LIMITS |         |   |         |         |         |          |   |   | · · · · · · · · · · · · · · · · · · · |   |   |
| 143 |              |           |           |           |            |         |   |         |         |         |          |   |   |                                       |   |   |
| 144 |              |           |           |           |            |         |   |         |         |         |          |   |   |                                       |   |   |
| 145 |              |           |           |           |            |         |   | ADEQ H  | UMAN    | HEALTH  | CRITERIA |   |   |                                       |   |   |
|     |              |           | Permit    | Permit    | Permit     | Permit  |   | Permit  | Permit  | Permit  | Permit   |   |   |                                       |   |   |
|     |              |           | Daily     | Monthly   | Daily      | Monthly |   | Daily   | Monthly | Daily   | Monthly  |   |   |                                       |   |   |
|     | POLLUTANTS   |           | Maximum   | Average   | Maximum    | Average |   | Maximum | Average | Maximum | Average  |   |   |                                       |   |   |
| 147 |              |           | ug/l      | ug/l      | lb/day     | lb/day  |   | ug/l    | ug/l    | lb/day  | lb/day   |   |   |                                       |   |   |
| 148 | Copper Total |           | NO        | NO        | NO         | NO      |   |         |         |         |          |   |   |                                       |   |   |
|     | Lead Total   |           | NO        | NO        | NO         | NO      |   |         |         |         |          |   |   |                                       |   |   |
| 150 | Zinc Total   |           | NO        | NO        | NO         | NO      |   |         |         |         |          |   |   |                                       |   |   |