

# JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

Juneau, Alaska

MONTH: YEAR: 22

Feb 2003 28

## EPA REPORT

| DAY     | DATE | WEATHER |                  |                |               | INFLUENT  |          |             |            |         |     | EFFLUENT  |           |          |             |            |                        |
|---------|------|---------|------------------|----------------|---------------|-----------|----------|-------------|------------|---------|-----|-----------|-----------|----------|-------------|------------|------------------------|
|         |      | TEMP °F | RAIN FALL INCHES | HIGH TIDE FEET | J-D TIDE FEET | S.S. mg/L | S.S. LBS | B.O.D. mg/L | B.O.D. LBS | TEMP °C | pH  | D.O. mg/L | S.S. mg/L | S.S. LBS | B.O.D. mg/L | B.O.D. LBS | FECAL Coliform /100 ml |
| SUN     | 2    | 38      | 0.48             | 17.9           | 2.4810        | 174       | 3600     |             |            |         |     | 14.0      | 289.7     |          |             |            |                        |
| MON     | 3    | 38      | 0.09             | 17.4           | 2.1130        | 211       | 3718     |             |            | 9.7     | 7.2 | 10.4      | 183.3     |          |             |            |                        |
| TUE     | 4    | 41      | 0.01             | 16.6           | 1.8010        | 174       | 2614     |             |            | 10.4    | 7.2 | 8.2       | 123.2     |          |             |            |                        |
| WED     | 5    | 39      | 0.00             | 16.2           | 1.3080        | 162       | 1767     | 95.1        | 1037       | 11.1    | 7.4 | 8.4       | 91.6      | 6.9      | 75.3        | 5.0        |                        |
| THU     | 6    | 36      | 0.00             | 15.7           | 1.2460        | 168       | 1746     |             |            | 9.8     | 7.3 | 11.2      | 116.4     |          |             |            |                        |
| FRI     | 7    | 37      | 0.00             | 15.1           | 1.1590        |           |          |             |            | 9.7     | 7.2 |           |           |          |             |            |                        |
| SAT     | 8    |         | 0.02             | 14.4           | 1.0310        |           |          |             |            |         |     |           |           |          |             |            |                        |
| SUN     | 9    |         | 0.00             | 13.8           | 1.2050        | 190       | 1909     |             |            |         |     | 13.0      | 130.6     |          |             |            |                        |
| MON     | 10   | 37      | 0.03             | 13.3           | 1.1820        | 261       | 2573     |             |            | 10.3    | 7.2 | 8.8       | 86.7      |          |             |            |                        |
| TUE     | 11   | 40      | 0.00             | 13.2           | 1.1170        | 278       | 2590     |             |            | 11.2    | 7.3 | 13.2      | 123.0     |          |             |            |                        |
| WED     | 12   | 38      | 0.00             | 13.7           | 1.0020        | 221       | 1847     | 138         | 1153       | 11.8    | 7.1 | 5.8       | 93.6      |          |             | 500        |                        |
| THU     | 13   | 36      | 0.00             | 14.7           | 0.9710        | 264       | 2138     |             |            | 11.0    | 7.3 | 19.2      | 155.5     |          |             |            |                        |
| FRI     | 14   | 37      | 0.00             | 16.0           | 1.0370        |           |          |             |            | 10.4    | 7.4 |           |           |          |             |            |                        |
| SAT     | 15   |         | 0.01             | 17.2           | 1.0610        |           |          |             |            |         |     |           |           |          |             |            |                        |
| SUN     | 16   |         | 0.02             | 18.1           | 1.0990        | 226       | 2071     |             |            |         |     | 16.4      | 150.3     |          |             |            |                        |
| MON     | 17   | 31      | 0.02             | 18.7           | 1.2240        | 222       | 2266     |             |            | 13.7    | 7.3 | 20.4      | 208.2     |          |             |            |                        |
| TUE     | 18   | 35      | 0.14             | 18.7           | 1.2310        | 268       | 2751     |             |            | 11.4    | 7.2 | 21.6      | 221.8     |          |             |            |                        |
| WED     | 19   | 28      | 0.06             | 18.3           | 1.0720        | 266       | 2378     | 167         | 1493       | 10.0    | 7.2 | 33.2      | 296.8     |          |             | 5          |                        |
| THU     | 20   | 28      | 0.00             | 18.4           | 1.0130        | 314       | 2653     |             |            | 10.0    | 7.5 | 34.0      | 287.2     |          |             |            |                        |
| FRI     | 21   | 23      | 0.00             | 16.0           | 0.9470        |           |          |             |            | 8.5     | 7.5 |           |           |          |             |            |                        |
| SAT     | 22   |         | 0.00             | 17.2           | 0.8960        |           |          |             |            |         |     |           |           |          |             |            |                        |
| SUN     | 23   |         | 0.00             | 16.4           | 0.9620        | 230       | 1845     |             |            |         |     | 26.9      | 215.8     |          |             |            |                        |
| MON     | 24   | 31      | 0.08             | 15.3           | 1.2260        | 245       | 2505     |             |            | 9.4     | 7.4 | 18.8      | 192.2     |          |             |            |                        |
| TUE     | 25   | 36      | 0.11             | 14.6           | 1.4010        | 288       | 3365     |             |            | 13.1    | 7.5 | 37.5      | 438.2     |          |             |            |                        |
| WED     | 26   | 37      | 0.00             | 14.7           | 1.5550        | 246       | 3190     | 142         | 1842       | 11.1    | 7.4 | 5.5       | 31.0      | 402.0    |             | 30         |                        |
| THU     | 27   | 35      | 0.32             | 15.4           | 1.2540        | 274       | 2866     |             |            | 10.4    | 7.4 | 29.5      | 308.5     |          |             |            |                        |
| FRI     | 28   | 34      | 0.00             | 16.2           | 1.6280        |           |          |             |            | 10.0    | 7.4 |           |           |          |             |            |                        |
| SAT     | 28   |         | 0.73             | 16.9           | 1.8640        |           |          |             |            |         |     |           |           |          |             |            |                        |
| TOTAL   |      |         | 2.12             |                | 36.0860       |           |          |             |            |         |     |           |           |          |             |            |                        |
| MAXIMUM |      | 41      | 0.73             | 18.70          | 2.4810        | 314       | 3718     | 167         | 1842       | 13.7    | 7.5 | 37.5      | 438.2     | 6.9      | 75.3        | 500        | 5                      |
| MINIMUM |      | 23      | 0.00             | 13.20          | 0.8960        | 162       | 1746     | 95          | 1037       | 8.5     | 7.1 | 5.3       | 86.7      | 6.9      | 75.3        | 5          | 5                      |
| AVERAGE |      | 38      | 0.076            | 16.08          | 1.289         | 234       | 2520     | 135.5       | 1381.3     | 10.6    | 7.3 | 19.3      | 205.7     | 6.9      | 75.27       | 24.7       | 24.7                   |

### COMMENTS:

| % REMOVAL |      |
|-----------|------|
| B.O.D.    | 94.9 |
| S.S.      | 91.7 |

|        |          |
|--------|----------|
| Copper | 0.0 ug/L |
| NH3    | 7.6 mg/L |
| NH3    | 81.6 lbs |

| Weekly TSS, BOD |     | TSS     |         | BOD     |         | Weekly Coliform |       |
|-----------------|-----|---------|---------|---------|---------|-----------------|-------|
| Aver.           | Max | mg/l    | lbs     | mg/l    | lbs     | #DIV/0!         | #NUM! |
| WEEK1           |     | 10.4    | 117.9   | 6.9     | 75.3    | 5.0             | 5.0   |
| WEEK2           |     | 13.1    | 117.9   | 6.9     | #DIV/0! | 500.0           | 500.0 |
| WEEK3           |     | 25.1    | 121.8   | 6.9     | #DIV/0! | 5.0             | 5.0   |
| WEEK4           |     | 28.7    | 311.4   | 6.9     | #DIV/0! | 30.0            | 30.0  |
| WEEK5           |     | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0!         | #NUM! |
| Max             |     | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0!         | #NUM! |

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME JUNEAU, CITY & BOROUGH OF  
ADDRESS 155 S. SEWARD STREET  
JUNEAU AK 99801

MAJOR (SUBR 01)  
F - FINAL

AK0023213  
PERMIT NUMBER

0.01 A  
DISCHARGE NUMBER

MONITORING PERIOD  
YEAR MO DAY TO YEAR MO DAY  
03 02 01 TO 03 02 28

FACILITY JUNEAU, CITY & BOROUGH OF  
LOCATION JUNEAU AK 99801  
ATTN: SCOTT JEFFERS, WWTP SUPT

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read instructions before completing this form.

| PARAMETER                          | QUANTITY OR LOADING |         |       | QUALITY OR CONCENTRATION |         |         | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|------------------------------------|---------------------|---------|-------|--------------------------|---------|---------|--------|-----------------------|-------------|
|                                    | AVERAGE             | MAXIMUM | UNITS | MINIMUM                  | AVERAGE | MAXIMUM |        |                       |             |
| TEMPERATURE, WATER DEG. CENTIGRADE | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | WEEK-DAYS   |
| EFFLUENT GROSS VALUE               | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/7                   | WEEKLY GRAB |
| OXYGEN, DISSOLVED (DO)             | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/7                   | WEEKLY GRAB |
| EFFLUENT GROSS VALUE               | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/7                   | ONCE/MONTH  |
| BOD, 5-DAY (20 DEG. C)             | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/30                  | ONCE/MONTH  |
| RAW SEW/INFLUENT                   | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/30                  | ONCE/MONTH  |
| BOD, 5-DAY (20 DEG. C)             | *****               | *****   | ***** | *****                    | *****   | *****   |        | 1/30                  | ONCE/MONTH  |
| SEE COMMENTS BELOW                 | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | WEEK-DAYS   |
| BOD, 5-DAY (20 DEG. C)             | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | WEEK-DAYS   |
| EFFLUENT GROSS VALUE               | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | ONCE/MONTH  |
| PH                                 | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | ONCE/MONTH  |
| EFFLUENT GROSS VALUE               | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | ONCE/MONTH  |
| SOLIDS, TOTAL SUSPENDED            | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | ONCE/MONTH  |
| RAW SEW/INFLUENT                   | *****               | *****   | ***** | *****                    | *****   | *****   |        | 5/7                   | ONCE/MONTH  |

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*Scott Jeffers*

TELEPHONE  
907-586-0393

DATE  
03 03 10

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
O = SPECIFY ON DMR WHICH SPECIES TESTED (MUST TEST BOTH A BIVALVE SPECIES & AN ECHINODERM EACH QUARTER)  
P = SPECIFY ON DMR WHICH SPECIES TESTED (MUST TEST BOTH A BIVALVE SPECIES & AN ECHINODERM EACH QUARTER)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))  
NAME JUNEAU, CITY & BOROUGH OF  
ADDRESS 155 S. SEWARD STREET  
JUNEAU AK 99801

AK0023213  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

MAJOR (SUBR 01)  
F - FINAL

MONITORING PERIOD  
YEAR MO DAY TO YEAR MO DAY  
03 02 01 TO 03 02 28

FROM 03 02 01 TO 03 02 28

FACILITY JUNEAU, CITY & BOROUGH OF  
LOCATION JUNEAU AK 99801  
ATTN: SCOTT JEFFERS, WWP SUPT

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read instructions before completing this form.

| PARAMETER                                | QUANTITY OR LOADING |         |       | QUALITY OR CONCENTRATION                                  |         |         | NO. EX      | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|---------------------|---------|-------|---|---------|---------|-------------|-----------------------|-------------|
|  | AVERAGE             | MAXIMUM | UNITS | MINIMUM   | AVERAGE | MAXIMUM |             |                       |             |
| SOLIDS, TOTAL SUSPENDED                  | 311.4               | *****   | ( 26) | *****   | 28.7    | *****   | ( 19)       | 5/17                  |             |
| PERMIT REQUIREMENT                       | 1035                | *****   | BS/DY | *****   | 45      | *****   | MG/L        | ONCE/MONTH            | COMP 24     |
| SEE COMMENTS BELOW                       |                     |         |       |   |         |         |             |                       |             |
| SOLIDS, TOTAL SUSPENDED                  | 205.7               | 438.2   | ( 26) | *****   | 19.3    | 37.5    | ( 19)       | 5/17                  |             |
| PERMIT REQUIREMENT                       | 690                 | 1380    | BS/DY | *****   | 30      | 60      | MG/L        | ONCE/MONTH            | COMP 24     |
| EFFLUENT GROSS VALUE                     |                     |         |       |   |         |         |             |                       |             |
| NITROGEN, AMMONIA TOTAL (AS N)           | 81.6                | 81.6    | ( 26) | *****   | 7.6     | 7.6     | ( 19)       | 1/180                 |             |
| PERMIT REQUIREMENT                       | REPORT              | REPORT  | BS/DY | *****   | REPORT  | REPORT  | MG/L        | SEMI-ANNUAL           | COMP 24     |
| EFFLUENT GROSS VALUE                     |                     |         |       |   |         |         |             |                       |             |
| COLIFORM, FECAL MF, M-FC BROTH, 44.5C    | *****               | *****   | ***   | *****   | 24.7    | *****   | ( 13)       | 1/17                  |             |
| PERMIT REQUIREMENT                       | *****               | *****   | ****  | *****   | 800     | *****   | /100ML      | WEEKLY GRAB           |             |
| SEE COMMENTS BELOW                       |                     |         |       |   |         |         |             |                       |             |
| COLIFORM, FECAL MF, M-FC BROTH, 44.5C    | *****               | *****   | ***   | *****   | 24.7    | 500     | ( 13)       | 1/17                  |             |
| PERMIT REQUIREMENT                       | *****               | *****   | ****  | *****   | 400     | 1200    | /100ML      | WEEKLY GRAB           |             |
| EFFLUENT GROSS VALUE                     |                     |         |       |   |         |         |             |                       |             |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | 1.2888              | 2.4810  | ( 03) | *****   | *****   | *****   | ***         | 7/17                  |             |
| PERMIT REQUIREMENT                       | 2.76                | 6.0     | MGD   | *****   | *****   | *****   | ***         | CONTINUOUS            | RECORD      |
| EFFLUENT GROSS VALUE                     |                     |         |       |   |         |         |             |                       |             |
| BOD, 5-DAY PERCENT REMOVAL               | *****               | *****   | ***   | 95  | *****   | *****   | ( 23)       | 1/30                  |             |
| PERMIT REQUIREMENT                       | *****               | *****   | ****  | 85  | *****   | *****   | PER-CENT    | ONCE/MONTH            | CALC'D      |
| 81010 K 0 0                              | *****               | *****   | ***   | *****   | *****   | *****   | *****       | *****                 | *****       |
| PERCENT REMOVAL                          | *****               | *****   | ****  | *****   | *****   | *****   | *****       | *****                 | *****       |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER   | Scott Jeffers       |         |       | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER/AUTHORIZED AGENT |         |         | TELEPHONE   |                       |             |
| Wastewater Utr./Superintendent           | TYPED OR PRINTED    |         |       | 907 586-0393  |         |         | DATE        |                       |             |
|  |                     |         |       | AREA CODE   |         |         | YEAR MO DAY |                       |             |
|  |                     |         |       | NUMBER  |         |         | 03 03 10    |                       |             |

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

O = SPECIFY ON DMR WHICH SPECIES TESTED (MUST TEST BOTH A BIVALVE SPECIES & AN ECHINODERM EACH QUARTER)

P = SPECIFY ON DMR WHICH SPECIES TESTED (MUST TEST BOTH A BIVALVE SPECIES & AN ECHINODERM EACH QUARTER)

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

00600/021214-1-0019m. PAGE 2 OF 3

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))  
 NAME JUNEAU, CITY & BOROUGH OF  
 ADDRESS 155 S. SEWARD STREET  
 JUNEAU AK 99801

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 AK0023213 PERMIT NUMBER  
 001 A DISCHARGE NUMBER

MAJOR (SUBR 01)  
 F - FINAL

MONITORING PERIOD  
 FROM 03 02 01 TO 03 02 28  
 YEAR MO DAY

FACILITY JUNEAU, CITY & BOROUGH OF  
 LOCATION JUNEAU AK 99801  
 ATTN: SCOTT JEFFERS, WWTP SUPT

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read instructions before completing this form.

| PARAMETER                         | QUANTITY OR LOADING |         |       | QUALITY OR CONCENTRATION |         |         | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|-----------------------------------|---------------------|---------|-------|--------------------------|---------|---------|--------|-----------------------|-------------|
|                                   | AVERAGE             | MAXIMUM | UNITS | MINIMUM                  | AVERAGE | MAXIMUM |        |                       |             |
| SOLIDS, SUSPENDED PERCENT REMOVAL | *****               | *****   |       | 92                       | *****   | ( 23 )  |        | 1130                  |             |
| 81011 K 0 0 PERCENT REMOVAL       | *****               | *****   | ***   | 85 MN % RMV              | *****   | PERCENT |        | ONCE / MONTH          | CALCTD      |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |
| SAMPLE MEASUREMENT                |                     |         |       |                          |         |         |        |                       |             |
| PERMIT REQUIREMENT                |                     |         |       |                          |         |         |        |                       |             |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Scott Jeffers  
 Wastewater Utility Superintendent  
 TYPED OR PRINTED  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE AREA NUMBER 907 586-1333  
 DATE YEAR MO DAY 03 03 10

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