Reg. NPDES

# Los Alamos
NATIONAL LABORATORY

*Los Alamos National Laboratory*
*Los Alamos, New Mexico 87545*

Date: October 27, 1995
In Reply Refer To: ESH-18/WQ&H:95-493-1
Mail Stop: K497
Telephone: (505) 665-1859

RECEIVED
NOV 02 1995
DOE OVERSIGHT BUREAU

Ms. Diana Gamble
U.S. Environmental Protection Agency
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-W)
1445 Ross Avenue
Dallas, Texas 75202-2733

**SUBJECT: DISCHARGE MONITORING REPORT (DMR) FOR SEPTEMBER, 1995 NPDES PERMIT NO. NM0028576 (FENTON HILL)**

Dear Ms. Gamble:

Enclosed is Los Alamos National Laboratory's DMR (EPA Form 3320-1) for the Fenton Hill Site for September, 1995, as required under the above referenced NPDES Permit. Per your request of July 25, 1995, the Laboratory will submit an original and one copy of the DMR addressed directly to you.

Please contact Brenda Edeskuty at (505) 665-0789 or Mike Saladen at (505) 665-6085 of the Laboratory's Water Quality and Hydrology Group if you desire any additional information concerning this DMR.

Sincerely,

Steven R. Rae
Group Leader
Water Quality & Hydrology Group

SR:CJ/vc

Enclosures: a/s

Cy: J. Piatt, NMED, Santa Fe, New Mexico, w/enc.
R. Anderson, OCD, Santa Fe, New Mexico, w/enc.
N. Weber, NMED-AIP, Santa Fe, New Mexico, w/enc.

15447

Cy: Cont.

J. Vozella, DOE/LAAO, w/enc., MS A316
C. Soden, DOE/AL, Albuquerque, New Mexico, w/enc.
D. Erickson, LANL, ESH-DO, w/enc., MS K491
J. Albright, LANL, EES-4, w/enc., MS D443
WQ&H File, w/enc., MS K497
CRM-4, w/enc., MS A150

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UNIVERSITY OF CALIFORNIA

ADDRESS LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663, MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY

LOCATION Outfall Owner: J. Thorne

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

(2-16) NM0028576 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

F - FINAL

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 95 | 09 | 01 | TO | 95 | 09 | 30 |
| | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) |

FENTON HILL SITE

*** NO DISCHARGE X ***

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE | (54-61) MAXIMUM | UNITS | (4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM | (46-53) AVERAGE | (54-61) MAXIMUM | UNITS | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FLOW | SAMPLE MEASUREMENT | | | MGD | ***** | ***** | ***** | ***** | | 0/MON | EST |
| 50050 1 0 0 | PERMIT REQUIREMENT | REPORT DAILY AVG | REPORT DAILY MAX | | ***** | ***** | ***** | | | 1/MON | EST |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
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| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

STEVEN R. RAE
ESH-18 GROUP LEADER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR 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 SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years)

Steven R. Rae

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

| TELEPHONE | | DATE | | |
|---|---|---|---|---|
| 505 665-0453 | | 95 | 10 | 27 |
| AREA CODE | NUMBER | YEAR | MO | DAY |

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

THU, SEP 1, 1994

FLOW SUMMARY - TA-50-1
FOR MONTH = 08, YEAR = 1994

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 71889 | 99374 | 3.92 | 422.87 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 80965 | 101203 | 4.42 | 381.90 | 80742 | 0 | 0 | 0 | 0 | 32055. | 0 | 0 |
| 03 | 69823 | 78671 | 3.50 | 374.63 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 54330 | 74945 | 3.33 | 374.72 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 67610 | 49066 | 2.00 | 408.88 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 22591 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 55837 | 71839 | 3.17 | 378.10 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 66682 | 66871 | 2.67 | 417.94 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 10 | 59964 | 57140 | 2.50 | 380.94 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 65249 | 75980 | 3.67 | 345.36 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 97436 | 118421 | 4.75 | 415.51 | 80742 | 67862 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 35110 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 65801 | 123597 | 5.90 | 349.14 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 51599 | 82191 | 3.58 | 382.28 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 50744 | 40578 | 2.00 | 338.15 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 58048 | 41199 | 2.08 | 329.59 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 117522 | 103308 | 4.95 | 347.84 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 43017 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 106046 | 143886 | 6.83 | 350.94 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 69213 | 109312 | 5.20 | 350.36 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 76114 | 68113 | 3.00 | 378.40 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 68466 | 87160 | 3.58 | 405.39 | 80742 | 74795 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 92961 | 146991 | 7.33 | 334.07 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 23721 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 29 | 55215 | 74738 | 2.78 | 447.53 | 80742 | 0 | 0 | 7380 | 0 | 0. | 0 | 0 |
| 30 | 48647 | 69355 | 3.05 | 378.99 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 31 | 53491 | 46996 | 2.10 | 372.98 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| | | 25 | | | 00 | | | | | | | |
| TOT | 1728091 | 1930934 | 86.32 | | 1857059 | 142657 | 0 | 7380 | 0 | 32055 | 0 | 0 |
| MAX | 117522 | 146991 | 7.33 | 447.53 | 161483 | 74795 | 0 | 7380 | 0 | 32055 | 0 | 0 |
| AVER | 55,745 | 83,954 | 3.75 | 372.82 | 92,853 | 71,329 | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

TUE, OCT .994

FLOW SUMMARY - TA-50-1
FOR MONTH = 09, YEAR = 1994

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 57723 | 59418 | 2.62 | 378.46 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 100322 | 77636 | 3.67 | 352.89 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 68093 | 71011 | 3.05 | 388.04 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 51242 | 80328 | 3.32 | 403.66 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 68225 | 70390 | 3.25 | 360.98 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 74650 | 53000 | 2.17 | 407.69 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 104341 | 111589 | 4.63 | 401.40 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 30498 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 61627 | 103515 | 4.30 | 401.22 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 62883 | 55070 | 2.33 | 393.36 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 115452 | 99167 | 4.33 | 381.41 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 51999 | 63765 | 3.12 | 340.99 | 80742 | 0 | 51396 | 0 | 0 | 0. | 0 | 0 |
| 16 | 91301 | 89230 | 4.42 | 336.72 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 24850 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 70590 | 99581 | 5.00 | 331.94 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 65476 | 74324 | 3.67 | 337.84 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 44617 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 59534 | 94927 | 4.08 | 387.46 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 82066 | 57968 | 2.83 | 340.99 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 22403 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 32404. | 0 | 0 |
| 26 | 67147 | 150304 | 7.83 | 319.80 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 57851 | 144921 | 6.67 | 362.30 | 161483 | 0 | 0 | 42586 | 65421 | 0. | 0 | 0 |
| 28 | 38781 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 29 | 52784 | 85917 | 4.08 | 350.68 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 70244 | 53207 | 2.30 | 385.56 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| | | 20 | | | 18 | | | | | | | |
| TOT | 1594698 | 1695269 | 77.67 | | 1614834 | 0 | 51396 | 42586 | 65421 | 32404 | 0 | 0 |
| MAX | 115452 | 150304 | 7.83 | 407.69 | 161483 | 0 | 51396 | 42586 | 65421 | 32404 | 0 | 0 |
| AVER | 53,157 | 84,763 | 3.88 | 363.78 | 89,713 | | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

TUE, NOV . 1994

FLOW SUMMARY - TA-50-1
FOR MONTH = 10, YEAR = 1994

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 26921 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 70914 | 81363 | 3.95 | 343.30 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 39332 | 41403 | 2.02 | 342.18 | 0 | 0 | 0 | 0 | 0 | 23599. | 0 | 0 |
| 05 | 55495 | 83640 | 3.67 | 380.18 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 40353 | 37058 | 1.67 | 370.58 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 82651 | 49894 | 2.33 | 356.39 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 70109 | 66250 | 3.67 | 301.13 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 53763 | 84261 | 3.83 | 366.35 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 42592 | 40992 | 1.75 | 390.40 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 54545 | 47203 | 2.25 | 349.65 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 87958 | 57554 | 2.83 | 338.55 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 29557 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 95698 | 121113 | 5.25 | 384.48 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 62471 | 115937 | 5.52 | 350.26 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 43842 | 3747 | 4.08 | 15.29 | 0 | 16289 | 0 | 0 | 0 | 3747. | 0 | 0 |
| 20 | 70139 | 94613 | 5.17 | 305.20 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 91068 | 114695 | 5.88 | 324.91 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 30498 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 85859 | 93578 | 4.42 | 353.12 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 61085 | 82398 | 4.25 | 323.13 | 80742 | 0 | 0 | 416 | 0 | 0. | 0 | 0 |
| 26 | 55106 | 61695 | 2.72 | 378.50 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 91735 | 107449 | 5.25 | 341.11 | 161483 | 0 | 0 | 51954 | 0 | 0. | 0 | 0 |
| 28 | 104242 | 129187 | 6.17 | 349.15 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 35299 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 31 | 57485 | 106620 | 4.35 | 408.51 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| | | 21 | | | 16 | | | | | | | |
| TOT | 1538717 | 1620648 | 81.02 | | 1614834 | 16289 | 0 | 52370 | 0 | 27345 | 0 | 0 |
| MAX | 104242 | 129187 | 6.17 | 408.51 | 161483 | 16289 | 0 | 51954 | 0 | 23599 | 0 | 0 |
| AVER | 49,636 | 77,174 | 3.86 | 333.38 | 100,927 | | | 26,185 | | 13,673 | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

RI, DEC 2. 1994

FLOW SUMMARY - TA-50-1
FOR MONTH = 11, YEAR = 1994

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 58162 | 38301 | 1.92 | 333.05 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 57891 | 64386 | 2.75 | 390.22 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 56268 | 53207 | 2.12 | 418.95 | 80742 | 0 | 0 | 8705 | 0 | 0. | 0 | 0 |
| 04 | 137663 | 80535 | 3.50 | 383.50 | 80742 | 0 | 0 | 1514 | 0 | 0. | 0 | 0 |
| 06 | 58737 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 96287 | 169144 | 6.83 | 412.55 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 81862 | 114902 | 4.75 | 403.16 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 82280 | 99788 | 4.03 | 412.35 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 10 | 112614 | 79292 | 3.58 | 368.80 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 98470 | 102894 | 4.47 | 383.93 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 69782 | 113867 | 4.92 | 385.99 | 80742 | 35237 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 57540 | 41820 | 1.75 | 398.29 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 63603 | 105585 | 4.62 | 381.17 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 65006 | 72253 | 2.92 | 412.88 | 80742 | 0 | 0 | 0 | 0 | 0. | -19 | 1683 |
| 18 | 95674 | 67906 | 2.92 | 388.03 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 36146 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 89761 | 143886 | 6.48 | 369.89 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 71390 | 63765 | 2.83 | 375.09 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 104291 | 89230 | 3.67 | 405.59 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 96363 | 96269 | 4.42 | 363.28 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 62031 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 109386 | 183843 | 7.92 | 387.04 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 29 | 82985 | 70183 | 3.45 | 339.05 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 76008 | 112624 | 5.03 | 372.93 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| | | 21 | | | 19 | | | | | | | |
| TOT | 1920201 | 1963680 | 84.87 | | 1937801 | 35237 | 0 | 10219 | 0 | 0 | -19 | 1683 |
| MAX | 137663 | 183843 | 7.92 | 418.95 | 161483 | 35237 | 0 | 8705 | 0 | 0 | 0 | 1683 |
| AVER | 64,007 | 93,509 | 4.04 | 385.63 | 101,990 | | | 5110 | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

WED, JAN 4, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 12, YEAR = 1994

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 78231 | 119071 | 4.83 | 410.59 | 80742 | 0 | 0 | 49970 | 0 | 3341. | 0 | 0 |
| 02 | 113100 | 95027 | 4.08 | 387.86 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 36993 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 97970 | 143058 | 5.30 | 449.87 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 61971 | 67699 | 2.95 | 382.48 | 80742 | 45827 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 65860 | 115937 | 4.75 | 406.80 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 65573 | 61902 | 2.45 | 421.10 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 104006 | 99581 | 4.42 | 375.78 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 44335 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 74554 | 129808 | 5.70 | 379.55 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 79201 | 68941 | 2.80 | 410.36 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 67867 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 89177 | 145749 | 6.88 | 352.90 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 120415 | 124839 | 5.50 | 378.30 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 36711 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 82782 | 122976 | 5.00 | 409.92 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 63522 | 56933 | 2.50 | 379.56 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 75960 | 78878 | 3.33 | 394.39 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 70388 | 77636 | 3.58 | 361.10 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 134053 | 95648 | 4.42 | 360.94 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 106257 | 127531 | 5.25 | 404.86 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 89641 | 102066 | 4.35 | 391.06 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 103104 | 91714 | 3.83 | 398.76 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| | | 19 | | | 18 | | | | | | | |
| TOT | 1861672 | 1924994 | 81.93 | | 1937801 | 45827 | 0 | 49970 | 0 | 3341 | 0 | 0 |
| MAX | 134053 | 145749 | 6.88 | 449.87 | 161483 | 45827 | 0 | 49970 | 0 | 3341 | 0 | 0 |
| AVER | 60,054 | 101,315 | 4.31 | 391.59 | 107,656 | | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

TUE, FEB 14, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 01, YEAR = 1995

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 118989 | 107035 | 4.40 | 405.43 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 71303 | 105378 | 4.08 | 359.65 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 81395 | 100410 | 4.17 | 401.64 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 67651 | 37058 | 1.50 | 411.76 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 125632 | 116972 | 5.50 | 354.46 | 161483 | 5271 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 44053 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 116263 | 162105 | 6.67 | 405.26 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 10 | 83519 | 95379 | 4.28 | 371.13 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 85357 | 69355 | 3.00 | 385.31 | 80742 | 0 | 0 | 0 | 0 | 38446. | 0 | 0 |
| 12 | 64227 | 96890 | 4.27 | 378.48 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 118892 | 46789 | 2.00 | 389.91 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 129186 | 133327 | 5.42 | 410.24 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 82235 | 128359 | 5.58 | 383.16 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 62401 | 73289 | 3.08 | 396.15 | 80742 | 1757 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 66627 | 62109 | 2.62 | 395.60 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 85653 | 90265 | 3.78 | 397.64 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 22591 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 60228 | 54863 | 2.42 | 378.37 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 59845 | 79707 | 3.25 | 408.75 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 50922 | 77843 | 3.42 | 379.72 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 67132 | 96683 | 3.92 | 411.42 | 80742 | 0 | 0 | 44800 | 0 | 0. | 0 | 0 |
| 27 | 63244 | 86953 | 3.83 | 378.05 | 80742 | 3942 | 0 | 0 | 0 | 0. | 0 | 0 |
| 29 | 16096 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 69489 | 62521 | 2.67 | 390.77 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 31 | 57875 | 76601 | 3.33 | 383.01 | 80742 | 41505 | 0 | 0 | 0 | 0. | 0 | 0 |
| TOT | 1870806 | 1959892 | 83.98 | | 1937801 | 52475 | 0 | 44800 | 0 | 38446 | 0 | 0 |
| MAX | 129186 | 162105 | 6.67 | 411.76 | 161483 | 41505 | 0 | 44800 | 0 | 38446 | 0 | 0 |
| AVER | 60,349 | 89,086 | 3.82 | 388.96 | 96,690 | 13,119 | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

WED, MAR 1, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 02, YEAR = 1995

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 49125 | 39336 | 1.82 | 360.88 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 75693 | 94613 | 3.83 | 411.36 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 87356 | 126702 | 5.25 | 402.23 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 15531 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 37697 | 44097 | 2.00 | 367.48 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 72591 | 77015 | 3.25 | 394.95 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 56296 | 45754 | 2.42 | 315.54 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 96258 | 8949 | 4.83 | 30.86 | 80742 | 0 | 0 | 27811 | 0 | 31722. | 0 | 0 |
| 10 | 89034 | 141747 | 6.50 | 363.45 | 80742 | 0 | 0 | 0 | 0 | 13802. | -22 | 0 |
| 12 | 23156 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 60718 | 53000 | 3.17 | 278.95 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 66060 | 143058 | 6.58 | 362.17 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 29180 | 0 | .00 | .00 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 50984 | 56726 | 2.58 | 365.98 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 70531 | 106206 | 4.92 | 360.02 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 50174 | 59211 | 3.00 | 328.95 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 71464 | 68734 | 2.92 | 392.77 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 22 | 41782 | 42441 | 2.00 | 353.68 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 45696 | 48238 | 2.33 | 344.56 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 101316 | 89644 | 3.83 | 389.76 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 17414 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 41737 | 69976 | 3.20 | 364.46 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 71302 | 39957 | 2.00 | 332.97 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| TOT | 1321097 | 1355403 | 66.43 | | 1291867 | 0 | 0 | 27811 | 0 | 45524 | -22 | 0 |
| MAX | 101316 | 143058 | 6.58 | 411.36 | 161483 | 0 | 0 | 27811 | 0 | 31722 | 0 | 0 |
| AVER | 47,162 | 71,337 | 3.50 | 340.06 | 92,276 | | | | | 22,762 | | |

cc: C. Jacquez, [redacted]
Y. Tang, EM-7, MS J593

KY97

WED, APR 5, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 03, YEAR = 1995

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 48588 | 75980 | 3.42 | 370.63 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 41135 | 68527 | 3.25 | 351.42 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 82536 | 60039 | 2.42 | 414.06 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 25980 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 57778 | 67285 | 3.17 | 354.13 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 54406 | 75773 | 3.00 | 420.96 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 64594 | 60453 | 2.92 | 345.44 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 67908 | 58589 | 2.50 | 390.60 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 10 | 91951 | 120284 | 5.25 | 381.86 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 17037 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 44605 | 45547 | 2.08 | 364.37 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 48289 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 68531 | 104865 | 4.92 | 355.47 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 64855 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 29092. | 0 | 0 |
| 17 | 81614 | 57140 | 2.65 | 359.37 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 35588 | 115316 | 5.25 | 366.08 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 43813 | 53414 | 2.42 | 368.37 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 66990 | 118214 | 5.08 | 387.59 | 161483 | 0 | 0 | 50000 | 0 | 0. | 0 | 0 |
| 22 | 35457 | 40164 | 1.75 | 382.51 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 49350 | 42855 | 1.92 | 372.65 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 63722 | 84054 | 3.83 | 365.45 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 9789 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 41143 | 38508 | 1.83 | 350.07 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 52134 | 50722 | 2.42 | 349.81 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 29 | 35474 | 47617 | 2.33 | 340.12 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 42673 | 21117 | 1.25 | 281.56 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 31 | 52220 | 81777 | 4.42 | 308.59 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| TOT | 1388162 | 1488239 | 68.07 | | 1453351 | 0 | 0 | 50000 | 0 | 29092 | 0 | 0 |
| MAX | 91951 | 120284 | 5.25 | 420.96 | 161483 | 0 | 0 | 50000 | 0 | 29092 | 0 | 0 |
| AVER | 44779 | 67,647 | 3.09 | 344.39 | 90,834 | | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

FRI, MAY 5, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 04, YEAR = 1995

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 13555 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 03 | 42536 | 35571 | 1.75 | 338.77 | 0 | 0 | 0 | 0 | 0 | 24184. | 0 | 0 |
| 04 | 51586 | 60246 | 2.67 | 376.54 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 49106 | 40164 | 1.75 | 382.51 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | 68996 | 64593 | 2.58 | 416.73 | 80742 | 34002 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 75783 | 108070 | 4.75 | 379.19 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 18355 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 10 | 58616 | 100617 | 4.83 | 346.95 | 161483 | 7361 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 33698 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 60444 | 91507 | 4.25 | 358.85 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | 42641 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 62640 | 116765 | 5.67 | 343.43 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 16096 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 17 | 50697 | 75359 | 3.43 | 365.82 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 33039 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 44032 | 72668 | 3.42 | 354.48 | 80742 | 81254 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 43902 | 71011 | 2.92 | 405.78 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 62455 | 105378 | 4.75 | 369.75 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 23 | 22685 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 24 | 52647 | 84468 | 3.92 | 359.44 | 80742 | 0 | 0 | 382 | 0 | 0. | 0 | 0 |
| 25 | 33887 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | 43178 | 104550 | 4.45 | 391.57 | 161483 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 30686 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 64627 | 81570 | 3.83 | 354.65 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 16943 | 0 15 | .00 | .00 | 0 13 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| TOT | 1092832 | 1212536 | 54.97 | | 1211126 | 122617 | 0 | 382 | 0 | 24184 | 0 | 0 |
| MAX | 75783 | 116765 | 5.67 | 416.73 | 161483 | 81254 | 0 | 382 | 0 | 24184 | 0 | 0 |
| AVER | 36,428 | 80,836 | 3.66 | 367.64 | 93,164 | 40,872 | | | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

* * * * * * FLOW SUMMARY - Technical Area 50 Building 1 * * * * * *
May, 1995

06-Jun-1995 01:44 PM

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01-MAY-95 | 44382 | 34781 | 1.63 | 355.63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02-MAY-95 | 122276 | 134984 | 2.55 | 882.25 | 161483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03-MAY-95 | 65756 | 104136 | 4.50 | 385.69 | 80742 | 57224 | 0 | 51000 | 0 | 0 | 0 | 0 |
| 04-MAY-95 | 140047 | 135529 | 2.80 | 806.72 | 80742 | 0 | 0 | 0 | 0 | 41330 | 0 | 0 |
| 05-MAY-95 | 65164 | 114488 | 5.47 | 348.84 | 161483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07-MAY-95 | 18355 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08-MAY-95 | 57510 | 84054 | 4.00 | 350.23 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09-MAY-95 | 36052 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-MAY-95 | 54193 | 97304 | 4.75 | 341.42 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11-MAY-95 | 34357 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12-MAY-95 | 99619 | 99996 | 4.33 | 384.90 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14-MAY-95 | 28804 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-MAY-95 | 53281 | 56105 | 2.68 | 348.91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16-MAY-95 | 45736 | 184141 | 8.33 | 368.43 | 80742 | 0 | 0 | 0 | 155066 | 21415 | 0 | 0 |
| 17-MAY-95 | 51901 | 80328 | 4.42 | 302.90 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18-MAY-95 | 57816 | 208686 | 9.50 | 366.12 | 80742 | 0 | 0 | 0 | 143058 | 0 | 0 | 0 |
| 19-MAY-95 | 90027 | 65836 | 3.17 | 346.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21-MAY-95 | 24003 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22-MAY-95 | 57296 | 107656 | 5.50 | 326.23 | 161483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23-MAY-95 | 55949 | 145956 | 7.08 | 343.59 | 80742 | 0 | 0 | 0 | 69769 | 0 | 0 | 0 |
| 24-MAY-95 | 42028 | 58972 | 2.75 | 357.41 | 0 | 0 | 0 | 0 | 0 | 11148 | 0 | 0 |
| 25-MAY-95 | 42009 | 39750 | 1.00 | 662.50 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26-MAY-95 | 64501 | 59418 | 3.00 | 330.10 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28-MAY-95 | 56916 | 51551 | 2.33 | 368.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30-MAY-95 | 58084 | 49894 | 2.83 | 293.84 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31-MAY-95 | 56757 | 81984 | 3.92 | 348.57 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1522819 | 1995549 | 86.54 | | 1534095 | 57224 | 0 | 51000 | 367893 | 73893 | 0 | 0 |
| Maximum | 140047 | 208686 | 9.50 | 882.25 | 161483 | | | | 155066 | 41330 | | |
| Minimum | 18355 | 34781 | 1.00 | 293.84 | 80742 | | | | 69769 | 11148 | | |
| Average | 49123 | 95026 | 4.12 | 410.44 | 95881 | | | | 122631 | 24631 | | |

c: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

MON, JUL 3, 1995

FLOW SUMMARY - TA-50-1
FOR MONTH = 06, YEAR = 1995

| DAY | INFLUENT | TREATED | TIME | RATE | EFFLUENT | DP | OMEGA | MISC | RECIRC | SLUDGE | CAUSTIC | ACID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 35016 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 02 | 61198 | 91507 | 4.50 | 338.92 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 04 | 16943 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 05 | 56238 | 52379 | 2.92 | 299.31 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 06 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 07 | 51909 | 48238 | 2.45 | 328.15 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 08 | 59924 | 67078 | 3.75 | 298.12 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 09 | 85708 | 93992 | 4.60 | 340.55 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 11 | 26262 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 12 | 30445 | 56519 | 4.48 | 210.11 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 13 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 14 | 57417 | 77843 | 4.08 | 317.73 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 15 | 45841 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 16 | 107799 | 133120 | 6.50 | 341.33 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 18 | 31628 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 19 | 70888 | 109105 | 5.37 | 338.83 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 20 | 66664 | 66664 | 3.17 | 350.86 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 21 | 49163 | 94199 | 4.67 | 336.42 | 161483 | 0 | 0 | 33081 | 0 | 0. | 0 | 0 |
| 22 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0 | 0 | 52288 | 0 | 0. | 0 | 0 |
| 23 | 81979 | 98546 | 4.42 | 371.87 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 25 | 31063 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 26 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 27 | 55254 | 0 | .00 | .00 | 0 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 28 | 73061 | 126081 | 5.33 | 394.00 | 80742 | 0 | 0 | 4920 | 0 | 0. | 0 | 0 |
| 29 | 54226 | 42648 | 2.17 | 328.06 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| 30 | 87050 | 76601 | 3.33 | 383.01 | 80742 | 0 | 0 | 0 | 0 | 0. | 0 | 0 |
| TOT | 1478946 | 1555210 | 76.95 | | 1614834 | 0 | 0 | 90289 | 0 | 0 | 0 | 0 |
| MAX | 107799 | 133120 | 6.50 | 394.00 | 161483 | 0 | 0 | 52288 | 0 | 0 | 0 | 0 |
| AVER | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | | [illegible] | | | | |

cc: C. Jacquez, EM-8, MS K490
Y. Tang, EM-7, MS J593

# TA-50 WM-1
## FLOW SUMMARY
**********
July, 1995

16-Aug-1995 03:16 PM

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02-JUL-95 | 28521 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03-JUL-95 | 95241 | 137882 | 6.00 | 383.01 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05-JUL-95 | 61953 | 81156 | 3.50 | 386.46 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06-JUL-95 | 35016 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07-JUL-95 | 69396 | 100177 | 4.33 | 385.59 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09-JUL-95 | 24568 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 20884 | 0 | 0 |
| 10-JUL-95 | 50491 | 69976 | 3.00 | 388.76 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11-JUL-95 | 49602 | 154444 | 8.25 | 312.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12-JUL-95 | 58594 | 122562 | 5.67 | 360.26 | 80742 | 0 | 0 | 0 | 137882 | 0 | 0 | 0 |
| 13-JUL-95 | 55501 | 134570 | 7.25 | 309.36 | 161483 | 0 | 0 | 0 | 79500 | 0 | 0 | 0 |
| 14-JUL-95 | 57749 | 33746 | 1.50 | 374.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16-JUL-95 | 10448 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17-JUL-95 | 59553 | 88816 | 4.08 | 362.81 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18-JUL-95 | 78364 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 36000 | 0 | 0 | 0 | 0 |
| 19-JUL-95 | 37553 | 18633 | 1.33 | 233.50 | 0 | 0 | 0 | 50000 | 0 | 38462 | 0 | 0 |
| 20-JUL-95 | 51406 | 97718 | 6.75 | 241.28 | 161483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21-JUL-95 | 69280 | 69562 | 4.42 | 262.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23-JUL-95 | 22591 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24-JUL-95 | 63270 | 85296 | 6.42 | 221.43 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25-JUL-95 | 35541 | 55070 | 4.00 | 229.46 | 80742 | 26024 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26-JUL-95 | 47622 | 71425 | 5.00 | 238.08 | 80742 | 30298 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27-JUL-95 | 45751 | 66648 | 4.83 | 229.98 | 80742 | 0 | 0 | 0 | 0 | 15925 | 0 | 0 |
| 28-JUL-95 | 81447 | 50101 | 3.33 | 250.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30-JUL-95 | 28239 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31-JUL-95 | 57207 | 91093 | 6.83 | 222.29 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1274904 | 1528875 | 86.49 | | 1211128 | 56322 | 0 | 86000 | 217382 | 75271 | 0 | 0 |
| Maximum | 95241 | 154444 | 8.25 | 388.7 | 161483 | 30298 | | 50000 | 137882 | 38462 | | |
| Minimum | 10448 | 18633 | 1.33 | 221.43 | 80742 | 26024 | | 36000 | 79500 | 15925 | | |
| Average | 41126 | 84938 | 4.81 | 299.57 | 93164 | 28161 | | 43000 | 108691 | 25090 | | |

c: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

A-50 WM-1 FLOW SUMMARY August, 1995 (07-Sep-1995 09:51 AM)

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-AUG-95 | 73930 | 66871 | 4.83 | 230.75 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2-AUG-95 | 127435 | 131671 | 8.67 | 253.12 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-AUG-95 | 104935 | 143058 | 9.58 | 248.88 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-AUG-95 | 82051 | 42234 | 2.58 | 272.83 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6-AUG-95 | 26262 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7-AUG-95 | 61554 | 95441 | 7.58 | 209.85 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8-AUG-95 | 56929 | 72461 | 4.42 | 273.23 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9-AUG-95 | 35863 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0-AUG-95 | 59816 | 53621 | 3.95 | 226.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-AUG-95 | 34738 | 55070 | 3.55 | 258.54 | 161483 | 0 | 0 | 4536 | 0 | 0 | 0 | 0 |
| 3-AUG-95 | 26262 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4-AUG-95 | 56546 | 98339 | 6.00 | 273.16 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5-AUG-95 | 59277 | 82998 | 5.05 | 273.92 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6-AUG-95 | 63983 | 88402 | 6.00 | 245.56 | 80742 | 0 | 0 | 0 | 0 | 7432 | 0 | 0 |
| 7-AUG-95 | 65215 | 77923 | 4.70 | 276.32 | 80742 | 0 | 0 | 60000 | 0 | 0 | 0 | 0 |
| 8-AUG-95 | 74513 | 72254 | 4.92 | 244.76 | 80742 | 0 | 0 | 0 | 0 | 3185 | 0 | 0 |
| 0-AUG-95 | 26545 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-AUG-95 | 62357 | 118835 | 6.75 | 293.42 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2-AUG-95 | 32825 | 58786 | 3.92 | 249.94 | 0 | 71708 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-AUG-95 | 49455 | 147198 | 9.23 | 265.80 | 80742 | 0 | 0 | 0 | 0 | 3716 | 0 | 0 |
| 4-AUG-95 | 74043 | 141534 | 8.58 | 274.93 | 80742 | 0 | 0 | 0 | 145749 | 0 | 0 | 0 |
| 5-AUG-95 | 42796 | 54656 | 3.98 | 228.88 | 80742 | 0 | 0 | 0 | 0 | 5308 | 0 | 0 |
| 7-AUG-95 | 24568 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8-AUG-95 | 72133 | 102066 | 6.12 | 277.96 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9-AUG-95 | 57944 | 80535 | 5.82 | 230.63 | 80742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0-AUG-95 | 64403 | 59211 | 3.43 | 287.71 | 80742 | 66817 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-AUG-95 | 61276 | 121707 | 8.17 | 248.28 | 80742 | 0 | 0 | 0 | 0 | 19641 | 0 | 0 |
| Total | 1577654 | 1964871 | 127.83 | | 1695581 | 138525 | 0 | 64536 | 145749 | 39282 | 0 | 0 |
| Maximum | 127435 | 147198 | 9.58 | 293.4 | 161483 | 71708 | | 60000 | | 19641 | | |
| Minimum | 24568 | 42234 | 2.58 | 209.85 | 80742 | 66817 | | 4536 | | 3185 | | |
| Average | 50892 | 89312 | 5.81 | 256.58 | 84779 | 69263 | | 32268 | | 7856 | | |

c: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

.-50 WM-1 FLOW SUMMARY September, 1995 (13-Oct-1995 02:55 PM)

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .-SEP-95 | 40793 | 68184 | 4.57 | 248.67 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 22026 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 21383 | 66848 | 3.48 | 320.15 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 23438 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 54512 | 36722 | 2.78 | 220.16 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 70828 | 63015 | 4.02 | 261.26 | 0 | 0 | 0 | 3482 | 0 | 0 | 0 | 0 |
| -SEP-95 | 52932 | 72017 | 5.62 | 213.57 | 79058 | 0 | 0 | 9766 | 0 | 0 | 0 | 0 |
| -SEP-95 | 67426 | 68274 | 4.32 | 263.40 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 22026 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 25697 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| .-SEP-95 | 60344 | 112304 | 7.75 | 241.51 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 61033 | 149828 | 9.28 | 269.09 | 79058 | 0 | 0 | 0 | 76652 | 0 | 0 | 0 |
| -SEP-95 | 58091 | 41713 | 2.60 | 267.39 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 38498 | 50358 | 3.33 | 252.04 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 46842 | 39217 | 2.33 | 280.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 23721 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 25697 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 56745 | 117741 | 7.63 | 257.19 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 41763 | 29903 | 3.87 | 128.78 | 98979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 41511 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| .-SEP-95 | 62988 | 86991 | 6.00 | 241.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 62086 | 77900 | 4.93 | 263.35 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 36993 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 37275 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 79964 | 137884 | 9.28 | 247.64 | 79058 | 0 | 0 | 5678 | 0 | 0 | 0 | 0 |
| -SEP-95 | 58964 | 79860 | 7.30 | 182.33 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 48805 | 51071 | 3.00 | 283.73 | 79058 | 0 | 0 | 1419 | 0 | 0 | 0 | 0 |
| -SEP-95 | 40926 | 40643 | 2.95 | 229.62 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 53469 | 70413 | 4.35 | 269.78 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -SEP-95 | 28804 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1365580 | 1460886 | 99.39 | | 1442966✓ | 0 | 0 | 20345 | 76652 | 0 | 0 | 0 |
| Maximum | 79964 | 149828 | 9.28 | 320.1 | 158117✓ | | | 9766 | | | | |
| Minimum | 21383 | 29903 | 2.33 | 128.78 | 79058✓ | | | 1419 | | | | |
| Average | 45519 | 73044 | 4.97 | 247.09 | 84880 | | | 5086 | | | | |

:: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

TA-50 WM-1 FLOW (liters) October, 1995 07-Nov-1995 01:37 PM

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01-OCT-95 | 28239 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02-OCT-95 | 69208 | 100271 | 7.05 | 237.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03-OCT-95 | 44331 | 65511 | 3.97 | 275.03 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04-OCT-95 | 44847 | 0 | 0.00 | 0.00 | 0 | 23377 | 0 | 3785 | 0 | 3011 | 0 | 0 |
| 05-OCT-95 | 54030 | 107402 | 7.55 | 237.09 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06-OCT-95 | 41678 | 49867 | 3.02 | 275.20 | 0 | 0 | 0 | 0 | 0 | 28654 | 0 | 0 |
| 07-OCT-95 | 22309 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08-OCT-95 | 34809 | 57400 | 3.03 | 315.73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09-OCT-95 | 20897 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-OCT-95 | 46064 | 67808 | 4.13 | 273.64 | 158117 | 0 | 0 | 0 | 0 | 2654 | 0 | 0 |
| 11-OCT-95 | 38000 | 43317 | 2.77 | 260.63 | 0 | 0 | 0 | 8706 | 0 | 0 | 0 | 0 |
| 12-OCT-95 | 49451 | 38059 | 2.62 | 242.11 | 0 | 0 | 0 | 17411 | 0 | 0 | 0 | 0 |
| 13-OCT-95 | 38584 | 85743 | 5.27 | 271.17 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14-OCT-95 | 22309 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-OCT-95 | 16943 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16-OCT-95 | 47636 | 85476 | 5.67 | 251.25 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17-OCT-95 | 89933 | 67293 | 4.63 | 242.24 | 79058 | 0 | 0 | 96811 | 0 | 0 | 0 | 0 |
| 18-OCT-95 | 98571 | 113017 | 6.70 | 281.14 | 79058 | 0 | 0 | 8516 | 0 | 0 | 0 | 0 |
| 19-OCT-95 | 101657 | 122554 | 8.12 | 251.55 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-OCT-95 | 103196 | 163910 | 10.30 | 265.23 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21-OCT-95 | 142598 | 115245 | 7.32 | 262.40 | 43941 | 0 | 0 | 0 | 116849 | 0 | 0 | 0 |
| 22-OCT-95 | 69542 | 70680 | 4.58 | 257.21 | 0 | 0 | 0 | 0 | 70324 | 0 | 0 | 0 |
| 23-OCT-95 | 108251 | 104015 | 11.63 | 149.06 | 153482 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24-OCT-95 | 61066 | 124604 | 10.93 | 190.00 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25-OCT-95 | 45184 | 83871 | 6.93 | 201.71 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26-OCT-95 | 35722 | 14261 | 1.58 | 150.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27-OCT-95 | 46280 | 62658 | 5.53 | 188.84 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28-OCT-95 | 30780 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29-OCT-95 | 24285 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30-OCT-95 | 58578 | 78345 | 6.65 | 196.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31-OCT-95 | 45082 | 65778 | 5.53 | 198.25 | 79058 | 0 | 0 | 68137 | 0 | 0 | 0 | 0 |
| Total | 1680060 | 1887085 | 135.51 | | 1620472 | 23377 | 0 | 203366 | 187173 | 34319 | 0 | 0 |
| Maximum | 142598 | 163910 | 11.63 | 315.7 | 158117 | | | 96811 | 116849 | 28654 | | |
| Minimum | 16943 | 14261 | 1.58 | 149.06 | 43941 | | | 3785 | 70324 | 2654 | | |
| Average | 54195 | 82047 | 5.89 | 237.97 | 108031 | | | 33894 | 93587 | 11440 | | |

c: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

TA-50 WM-1 FLOW (liters) November, 1995 01-Dec-1995 11:10 AM

| | Influent | Treated | Time | Rate | Effluent | DP | Omega | Misc | Recirc | Sludge | Caustic | Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01-NOV-95 | 63885 | 106243 | 8.00 | 221.34 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02-NOV-95 | 56926 | 82624 | 6.60 | 208.65 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03-NOV-95 | 67194 | 78972 | 5.52 | 238.44 | 0 | 0 | 0 | 0 | 0 | 11679 | 0 | 0 |
| 04-NOV-95 | 26545 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05-NOV-95 | 29933 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06-NOV-95 | 55378 | 86723 | 7.30 | 198.00 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07-NOV-95 | 64641 | 79326 | 6.15 | 214.98 | 158117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08-NOV-95 | 50572 | 66386 | 5.23 | 211.56 | 0 | 0 | 0 | 0 | 0 | 2123 | 0 | 0 |
| 09-NOV-95 | 42652 | 65243 | 5.05 | 215.32 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10-NOV-95 | 18355 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11-NOV-95 | 15249 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12-NOV-95 | 21580 | 59984 | 3.70 | 270.20 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13-NOV-95 | 32011 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 9500 | 0 | 0 | 0 | 0 |
| 14-NOV-95 | 51429 | 86456 | 7.03 | 204.97 | 79058 | 0 | 0 | 8765 | 0 | 0 | 0 | 0 |
| 15-NOV-95 | 44074 | 49556 | 4.37 | 189.00 | 79058 | 34286 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16-NOV-95 | 47026 | 69053 | 5.58 | 206.25 | 79058 | 0 | 0 | 0 | 0 | 3453 | 0 | 0 |
| 17-NOV-95 | 41713 | 45367 | 4.02 | 188.09 | 0 | 0 | 0 | 3937 | 0 | 0 | 0 | 0 |
| 18-NOV-95 | 19767 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19-NOV-95 | 16379 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20-NOV-95 | 47832 | 82667 | 6.62 | 208.12 | 79058 | 0 | 0 | 1230 | 0 | 2628 | 0 | 0 |
| 21-NOV-95 | 46897 | 46615 | 3.70 | 209.98 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22-NOV-95 | 33166 | 43050 | 3.75 | 191.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23-NOV-95 | 20614 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24-NOV-95 | 27777 | 60252 | 4.03 | 249.18 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25-NOV-95 | 23156 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26-NOV-95 | 17791 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27-NOV-95 | 36511 | 70680 | 5.27 | 223.53 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28-NOV-95 | 53368 | 35295 | 3.18 | 184.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29-NOV-95 | 91244 | 55350 | 4.68 | 197.12 | 79058 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30-NOV-95 | 44594 | 48843 | 4.12 | 197.59 | 79058 | 18571 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1208459 | 1318685 | 103.90 | | 1343988 | 52857 | 0 | 23432 | 0 | 19883 | 0 | 0 |
| Maximum | 91244 | 106243 | 8.00 | 270.2 | 158117 | 34286 | | 9500 | | 11679 | | |
| Minimum | 15249 | 35295 | 3.18 | 184.98 | 79058 | 18571 | | 1230 | | 2123 | | |
| Average | 40282 | 65934 | 5.20 | 211.43 | 89599 | 26429 | | 5858 | | 4971 | | |

c: C. Jacquez, ESH-18, MS K497
Y. Tang, CST-5, MS J593

# NPDES Industrial Discharge Monitoring

EPA Serial No.: 051051 Sample No.: 95.70446
TA/Building: TA-50-1
Date Sampled: 11/6/95 Sampled by: D Stone
Flow: 79058 (liters/day) ☐ estimated ☒ measured
79058 or 0.020887 MGD

Discharge Description:
color: none - clear foam or floating solids: none odor: none
comments: none

Preservatives Added: ☒ HNO3 (<2) ☒ H2SO4 (<2) ☐ HCl (<2) ☒ Refrigeration

☒ Weekly Sample

| Analysis | Results/Concentration | Time Collected | Date Began | Time Began | Method | Analyzed By |
|---|---|---|---|---|---|---|
| pH | 7.23 ± .1 | 11:06 | 11/5/95 | 11:15 AM | 150.1 | Ernst |
| TSS | 0 ± 1 mg/L | | 11/7/95 | 8:20 AM | 160.2 | BB |
| C.O.D | 22 ± 10 mg/L | | 11/28/95 | 8:00 am | 410.4 | KS |
| Cd(T) | <0.002 Mg/L | | 12/01/95 | 11/09 Am | ~~213.2~~ 200.7 | MK |
| Pb(T) | ~~<0.003~~ <0.053 ~~<0.046~~ Mg/L | | 12/07/95 | 10:35 ~~11:04~~ Am | ~~239.2~~ ~~200.7~~ | ~~MK~~ MB |
| Cu(T) | 0.075 ± 0.013 Mg/L | | 12/01/95 | 11:09 AM | 200.7 | MK |
| Fe(T) | <0.047 Mg/L | | 12/01/95 | 11:09 A | 200.7 | MK |
| Zn(T) | 0.026 ± 0.016 Mg/L | | 12/01/95 | 11:09 AM | 200.7 | MK |
| Hg(T) | 102 ug/L | | 12/5/95 | 9:00 AM | 245.2 | MK |
| Cr(T) | <0.01 Mg/L | | 12/01/95 | 11:09 AM | 200.7 | MK |
| Ni(T) | 0.033 ± 0.018 Mg/L | | 12/01/95 | 11:09 AM | 200.7 | MK |

MK 12/7/95

☒ Monthly (Submit to TA-50)

confirming method with lab in Jan. B. Edelstuty

| Analysis | Results/Concentration | Time Collected | Date Began | Time Began | Method | Analyzed By |
|---|---|---|---|---|---|---|
| Total N | 7.74 ± 0.77 mg/L ~~58.3 ± 5.8 mg/L~~ | 11:06 | 11/15/95 | 0900 am | 351.~~3~~ 2 | MKS |
| Nitrate-Nitrite (as N) | 58.3 ± 5.8 mg/L | | 11/14/95 | 0900 am | 353.~~3~~ 2 | MK |
| Ammonia (as N) | 0.55 ± 0.06 mg/L | | 12/5/95 | 0900 am | 350.1 | KS |

KS 11/15/95

☐ ~~Monthly (Submit to TA-35 for shipping)~~

| Analysis | Results/Concentration | Time Collected | Date Began | Time Began | Method | Analyzed By |
|---|---|---|---|---|---|---|
| TTO* | ---------- | ---------- | ---------- | ---------- | 40 CFR 136 | ---------- |
| Ra 226 & 228 | | | | | 903.1 | |

*see attached TTO list

**See Reverse Side for Chain-Of-Custody & Sample Numbers**

11/3/95

# Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

*WATER QUALITY & HYDROLOGY GROUP, ESH-18*
*FAX TRANSMITTAL COVER SHEET*

**FAX #: (505) 665-9344** **VERIFICATION #: (505) 665-0453**

**DATE:** 12/21/95 **LOG NO:** WQ&H-FAX-95:

**FROM:** Carla Jacquez/ESH-18/LANL **PHONE #:** (505) 665-0450

**TO:** Ralph Ford-Schmidt **FAX #:** 827-1545 **PHONE #:** (505) 827-1536

**ORG:** DOE/NMED

**TO:** **FAX #:** **PHONE #:** ( )

**ORG:**

**TO:** **FAX #:** **PHONE #:** ( )

**ORG:**

**MESSAGE:** Ralph: The attached information represents flow data for August 1994 - present.
Also, attached is the TA-50-1 NPDES Analytical form for November 1995.

Carla

Ralph: It is my understanding the analytical laboratory is using method 351.2 and 353.2 for total N + Nitrate + Nitrite, respectively. I will confirm this when we return in January. Brenda Edeskuty

**NUMBER OF PAGES INCLUDING COVER:**

**CY:** **WQ&H FAX FILE**

**TEAM LEADER OR GROUP LEADER**