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030-20934

February 11, 2003

Mr. John D. Kinneman
Chief, Nuclear Material Safety Branch 2
Division of Nuclear Material Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: License No. 37-23341-01 Quarterly Report- 4th Quarter 2002

Dear Mr. Kinneman:

In accordance with condition No. 16 of the referenced license, enclosed is the quarterly report for the fourth quarter 2002.

If you have any questions or comments, please contact Glenn Roberts at our Royersford facility at (610) 948 9700, or me at (413) 543-6911 extension 25.

Sincerely,

Michael R. Fuller, Manager, HP&E
UniTech Services Group

cc: Glenn Roberts, Certified Health Physicist
Dan Neely, Plant Manager/RSO, UniTech Royersford

1 3 2 7 4 1

NMSS/RONI MATERIALS-002



| 2002 - ROYERSFORD WASTEWATER DISCHARGE SUMMARY | | | | | | | | | | | | |
|--|------------|------------|-----------|-----------|------------|------------|-----------|-----------|------------|------------|------------|------------|
| MONTH | JAN | FEB | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPT | OCT | NOV | DEC |
| GALLONS | 612000 | 552500 | 1285000 | 855000 | 670000 | 455000 | 320000 | 280000 | 845000 | 1325000 | 415000 | 385000 |
| H-3 | 7.69E-06 | 7.69E-06 | 7.69E-06 | 7.45E-06 | 7.45E-06 | 7.45E-06 | 1.59E-05 | 1.59E-05 | 1.59E-05 | 1.15E-05 | 1.15E-05 | 1.15E-05 |
| mCi H-3 | 17.8132698 | 16.0814241 | 37.402045 | 24.109504 | 18.8928275 | 12.8302038 | 19.25808 | 16.85082 | 50.8533675 | 57.6739375 | 18.0639125 | 16.7580875 |
| C-14 | 3.66E-06 | 3.66E-06 | 3.66E-06 | 3.46E-06 | 3.46E-06 | 3.46E-06 | 2.53E-06 | 2.53E-06 | 2.53E-06 | 3.50E-06 | 3.50E-06 | 3.50E-06 |
| mCi C-14 | 8.4780972 | 7.65383775 | 17.801234 | 11.197166 | 8.774387 | 5.9587255 | 3.064336 | 2.681294 | 8.09176225 | 17.5529375 | 5.4977125 | 5.1002875 |
| K-40 | | 2.42E-07 | | | 2.30E-07 | | 2.10E-07 | | | | | 1.96E-07 |
| Cr-51 | | 8.32E-07 | 2.75E-07 | | | | | | 2.67E-07 | | | |
| Mn-54 | 1.15E-06 | 6.91E-07 | 7.13E-07 | 3.92E-07 | 1.30E-07 | 1.51E-07 | 1.96E-07 | 1.22E-07 | 2.56E-07 | 5.91E-07 | 1.01E-07 | 3.40E-07 |
| Fe-55 | 9.48E-06 | 9.48E-06 | 9.48E-06 | 4.33E-06 | 4.33E-06 | 4.33E-06 | 2.35E-06 | 2.35E-06 | 2.35E-06 | 5.34E-06 | 5.34E-06 | 5.34E-06 |
| Fe-59 | | | | | 3.50E-08 | | | | | | | |
| Co-57 | | | | | | | | | | | | |
| Co-58 | 1.34E-06 | 7.16E-07 | 3.45E-07 | 4.87E-07 | 2.25E-07 | 1.28E-07 | 4.82E-08 | 4.08E-08 | | 3.69E-07 | 4.91E-07 | 2.58E-07 |
| Co-60 | 2.38E-06 | 1.09E-06 | 8.85E-07 | 5.82E-07 | 3.83E-07 | 4.36E-07 | 5.51E-07 | 2.91E-07 | 9.90E-07 | 1.38E-06 | 4.46E-07 | 7.04E-07 |
| Ni-63 | 5.92E-07 | 5.92E-07 | 5.92E-07 | 7.00E-07 | 7.00E-07 | 7.00E-07 | 1.68E-07 | 1.68E-07 | 1.68E-07 | 1.19E-06 | 1.19E-06 | 1.19E-06 |
| Zn-65 | | | | | | | 1.83E-07 | | 8.62E-08 | 1.10E-07 | | 9.42E-08 |
| Sr-89 | | | | | | | | | | | | |
| Sr-90 | 7.14E-09 | 7.14E-09 | 7.14E-09 | 2.79E-09 | 2.79E-09 | 2.79E-09 | 4.79E-09 | 4.79E-09 | 4.79E-09 | 4.94E-09 | 4.94E-09 | 4.94E-09 |
| Zr-95 | | | 3.57E-08 | | | | | | | | | |
| Nb-95 | 8.45E-08 | 3.22E-08 | 3.89E-08 | 7.73E-08 | 7.89E-08 | 3.70E-08 | | | | | | |
| Tc-99 | 1.05E-07 | 1.05E-07 | 1.05E-07 | 4.17E-08 | 4.17E-08 | 4.17E-08 | 2.05E-07 | 2.05E-07 | 2.05E-07 | 1.25E-07 | 1.25E-07 | 1.25E-07 |
| Ag-110m | 8.49E-08 | | | | | | | | 2.80E-08 | | | |
| Sn-113 | | | | | | 2.14E-08 | | | | | | |
| Sb-125 | | | | | | | | | | | | |
| I-125 | | | | | | | | | | | | |
| I-129 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | 6.53E-09 | 6.53E-09 | 6.53E-09 | <MDA | <MDA | <MDA |
| Cs-134 | 8.11E-08 | 6.96E-08 | 6.31E-08 | 1.62E-07 | 5.13E-08 | 2.75E-08 | 3.03E-07 | 1.47E-07 | 1.18E-07 | 9.15E-08 | 5.05E-07 | 1.85E-07 |
| Cs-137 | 9.23E-07 | 6.62E-07 | 1.33E-06 | 1.10E-06 | 7.01E-07 | 6.86E-07 | 6.36E-07 | 3.70E-07 | 3.00E-07 | 3.74E-07 | 1.09E-06 | 4.38E-07 |
| Eu-152 | | | | | | | | | | | | |
| Eu-154 | | | | | | | | | | | | |
| Pb-212 | | | | | | | | | | | | |
| Ra-226 | | | | | | | | | | | | |
| Th-228 | | | | | | | | | | | | |
| Th-230 | | | | | | | | | | | | |
| Th-232 | | | | | | | | | | | | |
| Th-234 | | 3.79E-07 | | | 3.18E-07 | 3.80E-07 | | <MDA | | | | |
| U-234 | | | | | | | | | | | | |
| U-235 | | | | | | | | | | | | |
| U-238 | | | | | | | | | | | | |
| Pu-238 | | | | | | | | | | | | |
| Pu-239 | | | | | | | | | | | | |
| Np-237 | | | | | | | | | | | | |
| Am-241 | | | | | | | | | | | | |
| Cm-244 | | | | | | | | | | | | |
| CONC. | 1.62E-05 | 1.49E-05 | 1.39E-05 | 7.87E-06 | 7.23E-06 | 6.94E-06 | 4.86E-06 | 3.70E-06 | 4.78E-06 | 9.58E-06 | 9.29E-06 | 8.87E-06 |
| ACTIVITY | 37.5844009 | 31.1577906 | 67.461763 | 25.480639 | 18.3249522 | 11.9555455 | 5.8890361 | 3.9259973 | 15.2806054 | 48.0206243 | 14.591306 | 12.932697 |

ANNUAL TOTALS
7999500 GALLONS

306.58748 mCi H-3

101.85178 mCi C-14

292.60536 mCi AORN

Notes: CONC. is total concentration for all nuclides except H-3 and C-14.

All concentrations are in uCi/ml. All activities are in mCi.

NF - Not found in gamma spectra search

<MDA - Less than minimum detection limit for analytical method.

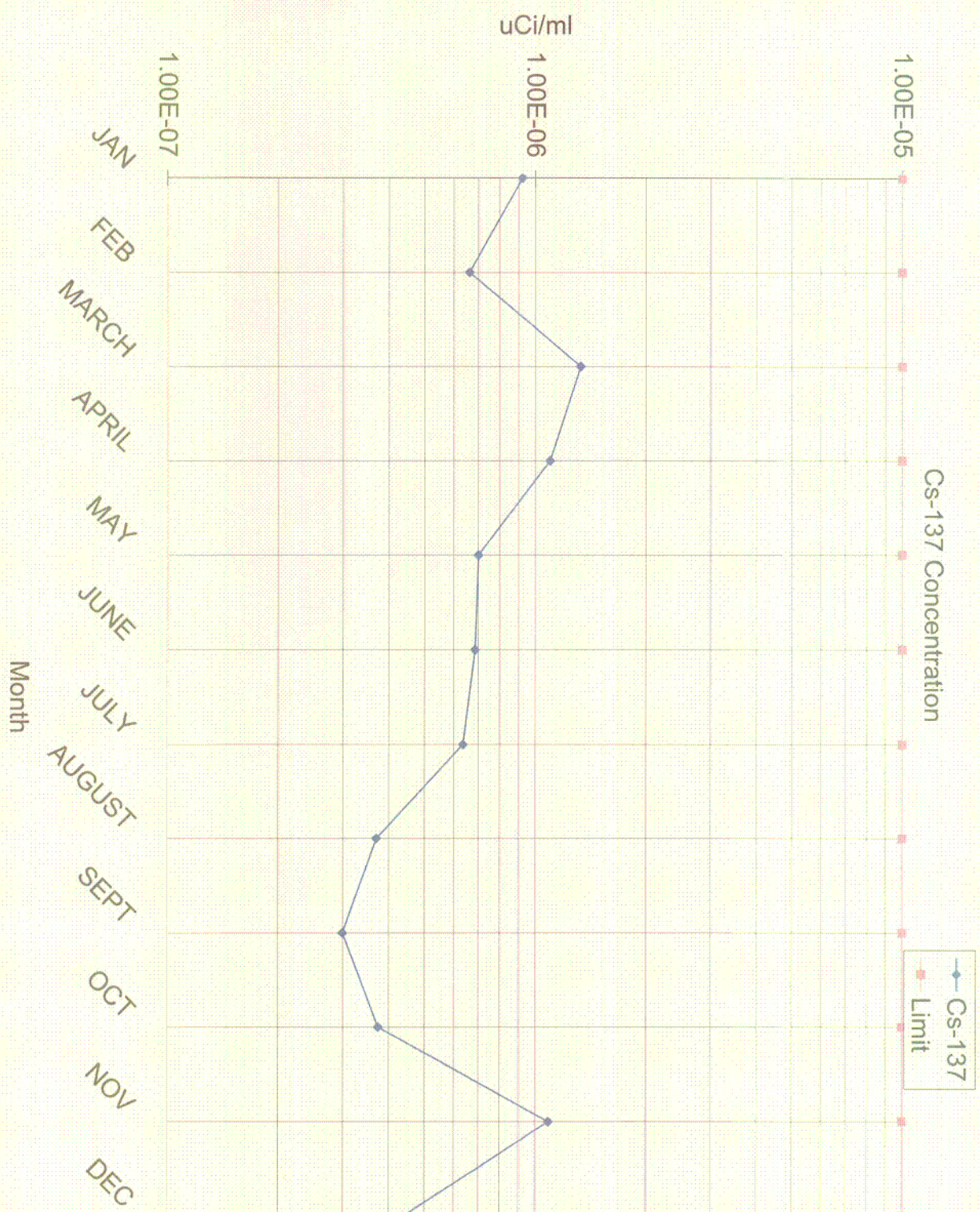
*Sr-89/90 analyzed and reported as total Sr unless >50 pCi/L. Conservatively assigned to Sr-90

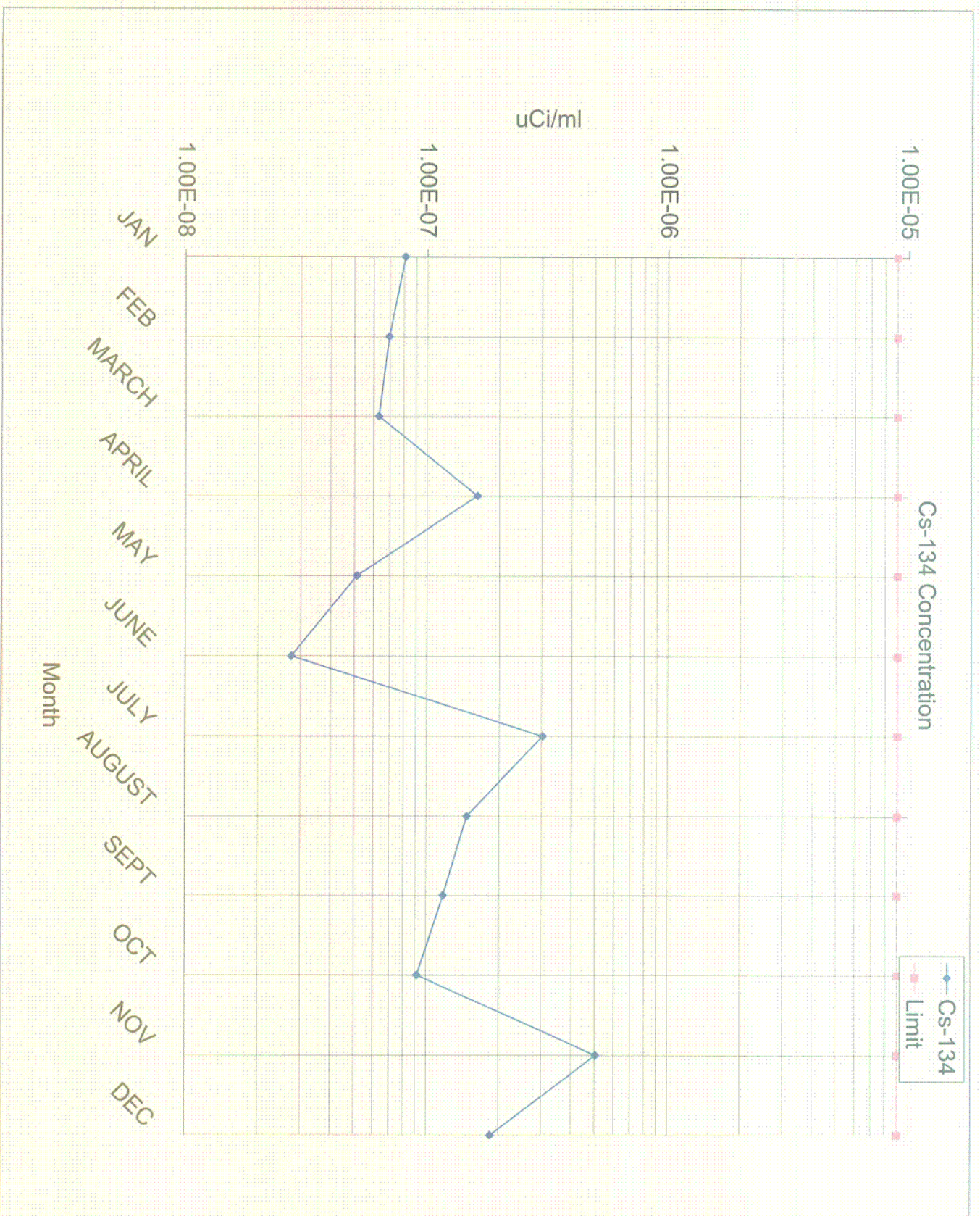
AORN - All other radionuclides (except for H-3 and C-14)

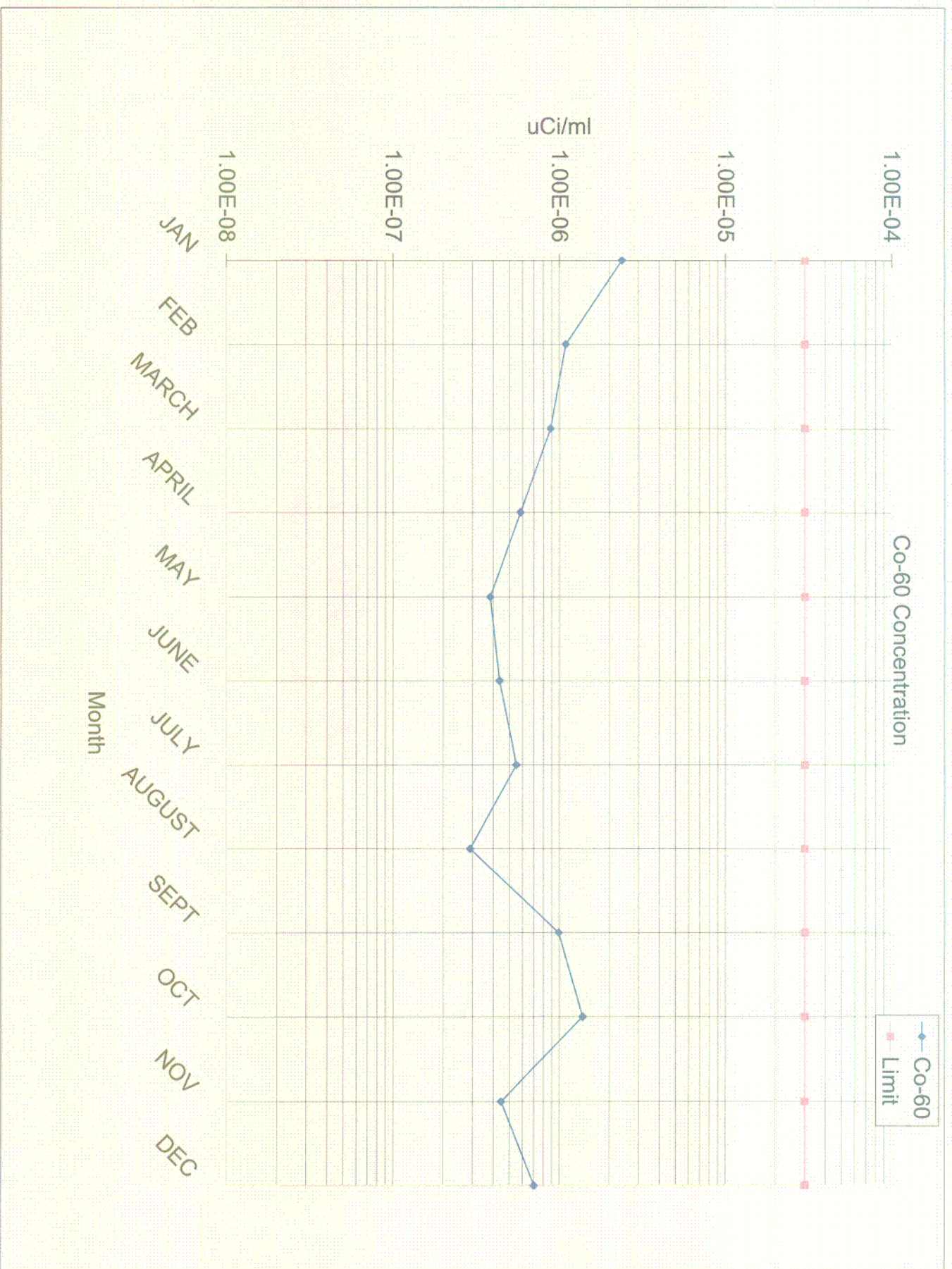
ND - No Data

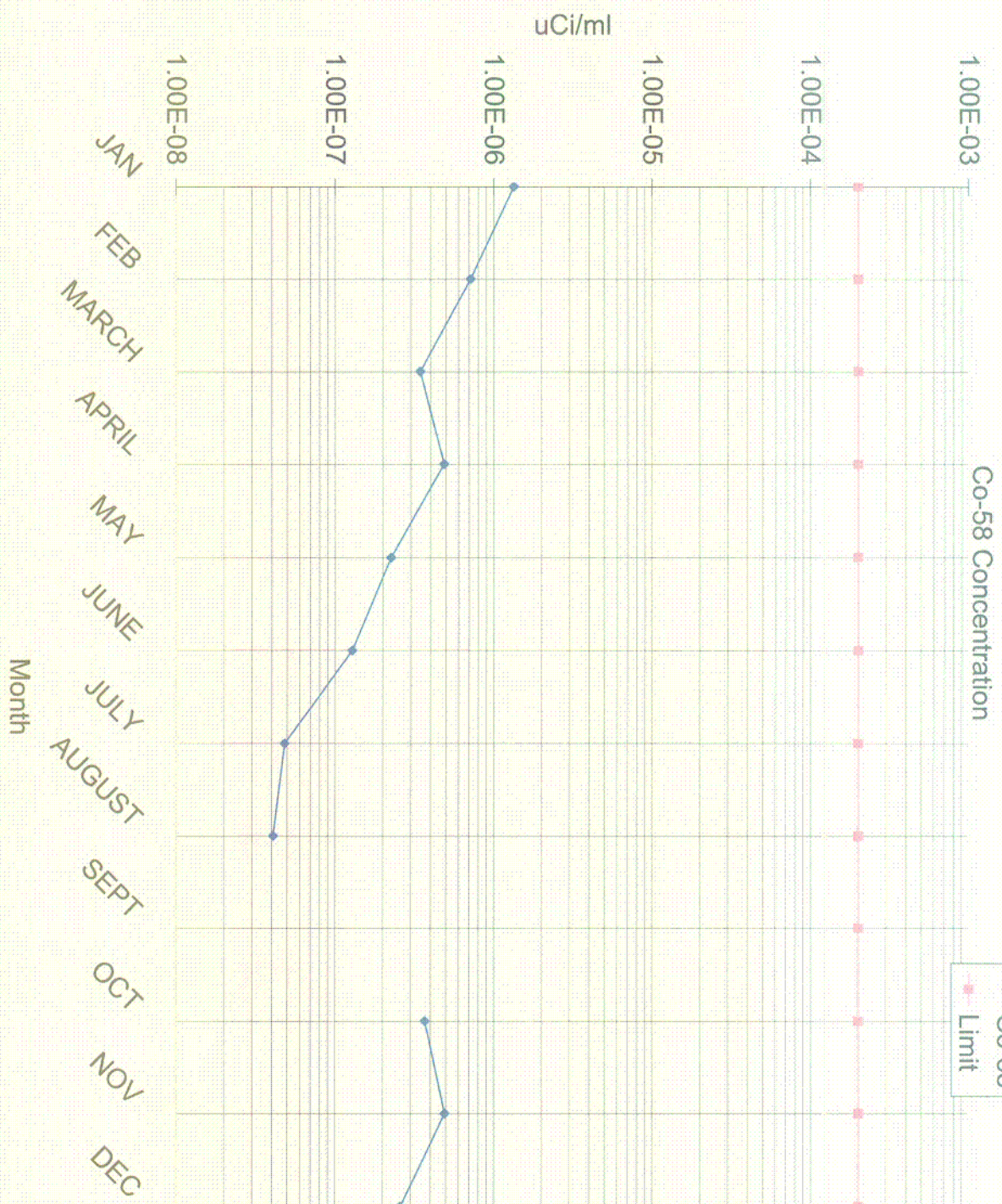
Ni-56 identified in Sept <MDA

| 079 - ROYERSFORD RATIOS OF DISCHARGES TO LIMITS | | | | | | | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | LIMIT | JAN | FEB | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPT | OCT | NOV | DEC |
| H-3 | 1.0E-02 | 0.00077 | 0.00077 | 0.00077 | 0.00075 | 0.00075 | 0.00075 | 0.00159 | 0.00159 | 0.00159 | 0.00115 | 0.00115 | 0.00115 |
| C-14 | 3.0E-04 | 0.01220 | 0.01220 | 0.01220 | 0.01153 | 0.01153 | 0.01153 | 0.00843 | 0.00843 | 0.00843 | 0.01167 | 0.01167 | 0.01167 |
| K-40 | 4.0E-05 | | 0.00605 | | | 0.00574 | | 0.00525 | | | | | 0.00490 |
| Cr-51 | 5.0E-03 | | 0.00017 | 0.00006 | | | | | | 0.00005 | | | |
| Mn-54 | 3.0E-04 | 0.00383 | 0.00230 | 0.00238 | 0.00131 | 0.00043 | 0.00050 | 0.00065 | 0.00041 | 0.00085 | 0.00197 | 0.00034 | 0.00113 |
| Fe-55 | 1.0E-03 | 0.00948 | 0.00948 | 0.00948 | 0.00433 | 0.00433 | 0.00433 | 0.00235 | 0.00235 | 0.00235 | 0.00534 | 0.00534 | 0.00534 |
| Fe-59 | 1.0E-04 | | | | | 0.00035 | | | | | | | |
| Co-57 | 6.0E-04 | | | | | | | | | | | | |
| Co-58 | 2.0E-04 | 0.00670 | 0.00358 | 0.00172 | 0.00244 | 0.00113 | 0.00064 | 0.00024 | 0.00020 | | 0.00184 | 0.00245 | 0.00129 |
| Co-60 | 3.0E-05 | 0.07937 | 0.03640 | 0.02950 | 0.01941 | 0.01276 | 0.01454 | 0.01837 | 0.00968 | 0.03300 | 0.04600 | 0.01486 | 0.02347 |
| Ni-63 | 1.0E-03 | 0.00059 | 0.00059 | 0.00059 | 0.00070 | 0.00070 | 0.00070 | 0.00017 | 0.00017 | 0.00017 | 0.00119 | 0.00119 | 0.00119 |
| Zn-65 | 5.0E-05 | | | | | | | 0.00366 | | 0.00172 | 0.00220 | | 0.00188 |
| Sr-89 | 8.0E-05 | | | | | | | | | | | | |
| Sr-90 | 5.0E-06 | 0.00143 | 0.00143 | 0.00143 | 0.00056 | 0.00056 | 0.00056 | 0.00096 | 0.00096 | 0.00096 | 0.00099 | 0.00099 | 0.00099 |
| Zr-95 | 2.0E-04 | | | 0.00018 | | | | | | | | | |
| Nb-95 | 3.0E-04 | 0.00028 | 0.00011 | 0.00013 | 0.00026 | 0.00026 | 0.00012 | | | | | | |
| Tc-99 | 6.0E-04 | 0.00018 | 0.00018 | 0.00018 | 0.00007 | 0.00007 | 0.00007 | 0.00034 | 0.00034 | 0.00034 | 0.00021 | 0.00021 | 0.00021 |
| Ag-110m | 6.0E-05 | 0.00141 | | | | | | | | 0.00047 | | | |
| Sn-113 | 3.0E-05 | | | | | | 0.00071 | | | | | | |
| Sb-125 | 3.0E-04 | | | | | | | | | | | | |
| I-125 | 2.0E-05 | | | | | | | | | | | | |
| I-129 | 2.0E-06 | | | | | | | 0.00327 | 0.00327 | 0.00327 | | | |
| Cs-134 | 9.0E-06 | 0.00901 | 0.00773 | 0.00701 | 0.01800 | 0.00570 | 0.00305 | 0.03367 | 0.01632 | 0.01306 | 0.01017 | 0.05609 | 0.02052 |
| Cs-137 | 1.0E-05 | 0.09226 | 0.06620 | 0.13300 | 0.10980 | 0.07006 | 0.06862 | 0.06361 | 0.03699 | 0.02995 | 0.03741 | 0.10870 | 0.04376 |
| Eu-152 | 1.0E-04 | | | | | | | | | | | | |
| Eu-154 | 7.0E-05 | | | | | | | | | | | | |
| Pb-212 | 2.0E-06 | | | | | | | | | | | | |
| Ra-226 | 6.0E-07 | | | | | | | | | | | | |
| Th-228 | 2.0E-06 | | | | | | | | | | | | |
| Th-230 | 1.0E-06 | | | | | | | | | | | | |
| Th-232 | 5.0E-05 | | | | | | | | | | | | |
| Th-234 | 5.0E-05 | | 0.00758 | | | 0.00636 | 0.00760 | | | | | | |
| U-234 | 3.0E-06 | | | | | | | | | | | | |
| U-235 | 3.0E-06 | | | | | | | | | | | | |
| U-238 | 3.0E-06 | | | | | | | | | | | | |
| Pu-238 | 2.0E-07 | | | | | | | | | | | | |
| Pu-239 | 2.0E-07 | | | | | | | | | | | | |
| Np-237 | 2.0E-07 | | | | | | | | | | | | |
| Am-241 | 2.0E-07 | | | | | | | | | | | | |
| Cm-244 | 3.0E-07 | | | | | | | | | | | | |
| TOTAL | 1.00 | 0.21749 | 0.15476 | 0.19862 | 0.16915 | 0.12072 | 0.11372 | 0.14256 | 0.08071 | 0.09621 | 0.12014 | 0.20299 | 0.11751 |



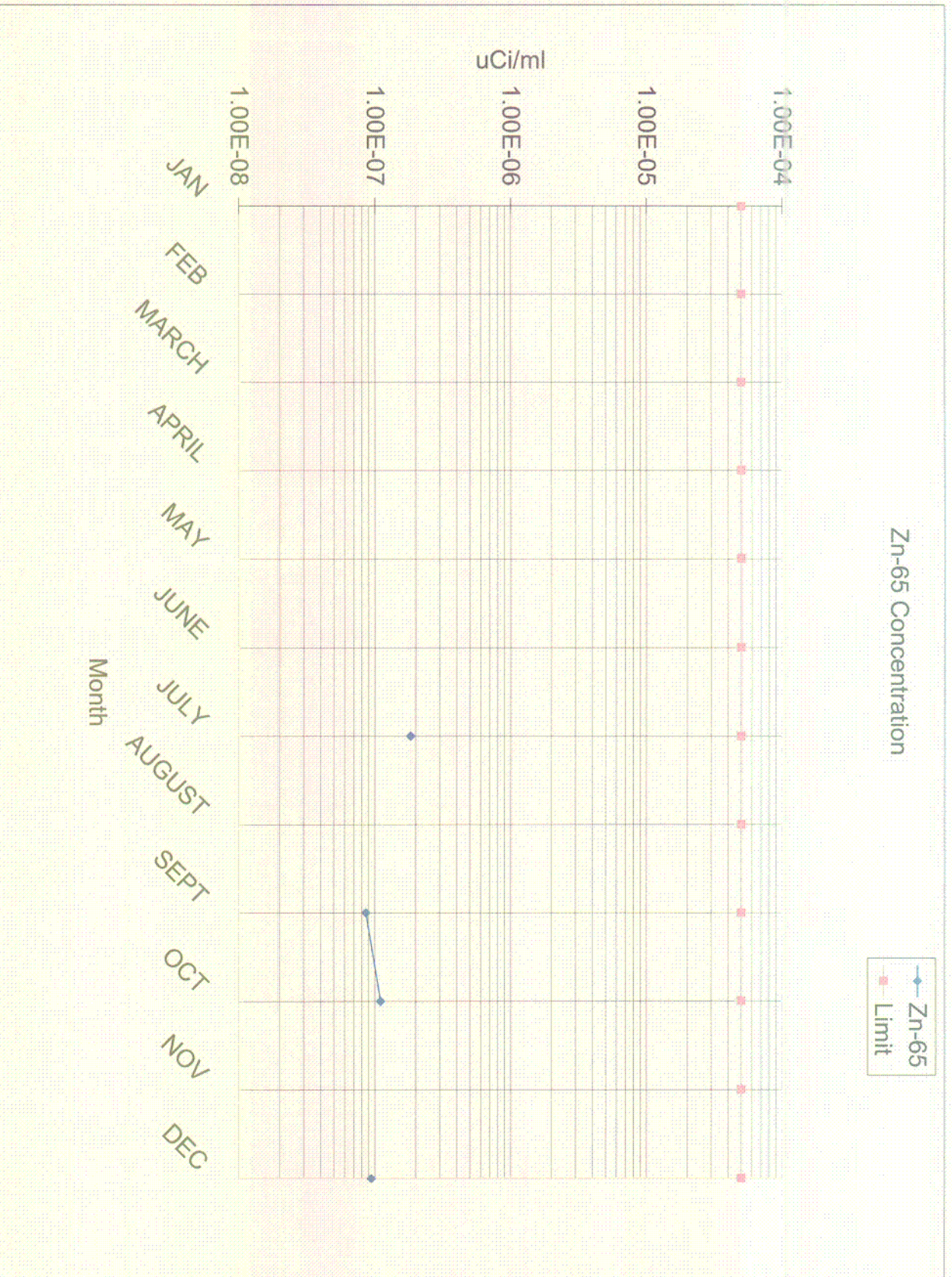






Mn-54 Concentration





1 3 2 7 4 1

This is to acknowledge the receipt of your letter/application dated

2/11/2003, and to inform you that the initial processing which includes an administrative review has been performed.

☒ **NOTIFICATION 37-2334-01**
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 1 3 2 7 4 1.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
:
License Fee Management Branch, ARM : Program Code: 03218
and : Status Code: 0
Regional Licensing Sections : Fee Category: 6A
: Exp. Date: 20050831
: Fee Comments: CALIBRATION IS FOR THEM
: Decom Fin Assur Reqd: Y
: ::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: UNITECH SERVICES GROUP, INC.
Received Date: 20030212
Docket No: 3020934
Control No.: 132741
License No.: 37-23341-01
Action Type: Notifications

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed M. A. Perkins
Date 2/13/2003

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____