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June 6, 2002

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- 1st Quarter 2002

Dear Mr. Kinneman:

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

If you have any questions or comments, please contact Michael Fuller, Manager, Health Physics & Engineering or me at (413) 543-6911, extensions 25 and 27, respectively.

Sincerely,

William Stevenson, Radiation Protection Engineer
UniTech Services Group

cc: M. Fuller, Manager Health Physics and Engineering
Dan Neely, Plant Manager/RSO, UniTech Royersford

131012

NMSS/RGNI MATERIALS-002



2002 - ROYERSFORD WASTEWATER DISCHARGE SUMMARY												
MONTH	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
GALLONS	612000	552500	1285000									
H-3	7.69E-06	7.69E-06	7.69E-06									
mCi H-3	17.8132698	16.0814241	37.402045									
C-14	3.66E-06	3.66E-06	3.66E-06									
mCi C-14	8.4780972	7.65383775	17.801234									
K-40		2.42E-07										
Cr-51		8.32E-07	2.75E-07									
Mn-54	1.15E-06	6.91E-07	7.13E-07									
Fe-55	9.48E-06	9.48E-06	9.48E-06									
Fe-59												
Co-57												
Co-58	1.34E-06	7.16E-07	3.45E-07									
Co-60	2.38E-06	1.09E-06	8.85E-07									
Ni-63	5.92E-07	5.92E-07	5.92E-07									
Zn-65												
Sr-89												
Sr-90	7.14E-09	7.14E-09	7.14E-09									
Zr-95			3.57E-08									
Nb-95	8.45E-08	3.22E-08	3.89E-08									
Tc-99	1.05E-07	1.05E-07	1.05E-07									
Ag-110m	8.49E-08											
Sb-125												
I-125												
I-129	<MDA	<MDA	<MDA									
Cs-134	8.11E-08	6.96E-08	6.31E-08									
Cs-137	9.23E-07	6.62E-07	1.33E-06									
Eu-152												
Eu-154												
Pb-212												
Ra-226												
Th-228												
Th-230												
Th-232												
Th-234		3.79E-07										
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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ACTIVITY	37.5844009	31.1577906	67.461763	0	0	0	0	0	0	0	0	0

ANNUAL TOTALS
2449500 GALLONS

71.296739 mCi H-3

33.933168 mCi C-14

136.20395 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











